Draft Deferment Applications—Page 3

Oil, Paint and Drug Reporter

The Chemical Market Authority Since 1871

ABC

Volume 147 No. 10 — Schnell Publishing Company, Inc., Publishers — March 5, 1945

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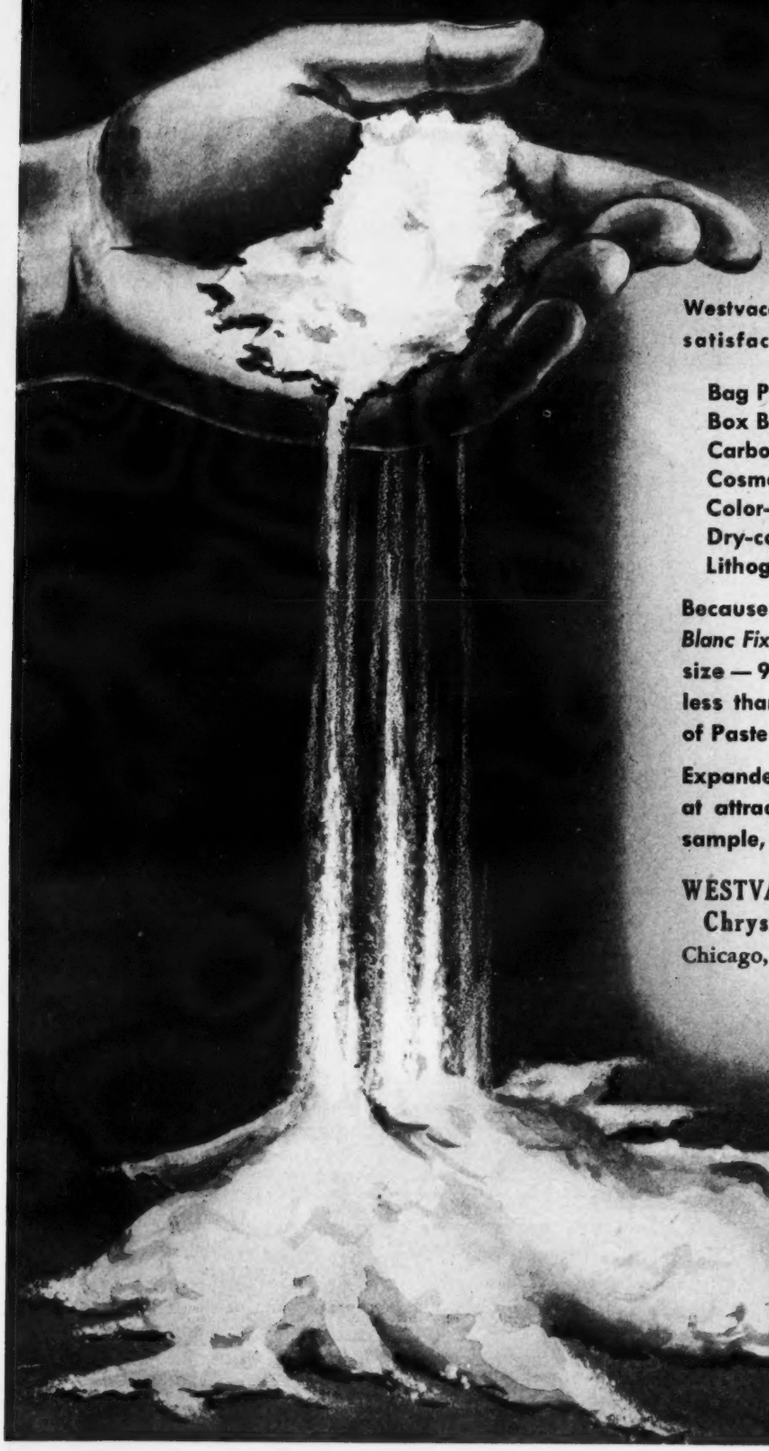

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Vol. 147 No. 10 New York 7, N. Y. March 5, 1945

Narcotic Control Facility Advocated

OPD Washington Bureau

Legislation amending the Federal narcotic laws to permit the Treasury Department to place any habit-forming drug under control without having to seek congressional authority for each such instance was introduced in the house February 26 by Representative A. Willis Robertson of Virginia.

The purpose of the proposed legislation (H. R. 2348) is to provide a prompt and convenient method of bringing under the control of the narcotic laws newly discovered synthetic drugs which are determined after appropriate inquiry, to possess the same or similar dangerous, habit-forming qualities as morphine, cocaine, or their respective chemical derivatives, Mr. Robertson explained.

Representative Robertson said, that in order to accomplish the above purpose, the term, "opiate," has been selected as a generic term to be applied to new synthetic drugs which are found to be dangerous and which should be brought under control. The test to be applied under the bill in determining whether a new drug is an "opiate" is whether the drug has an addiction-forming or addiction-sustaining liability similar to either morphine or cocaine. The Treasury Department has expressed the belief that this test would cover all synthetic drugs likely to be dangerous through having addiction-forming or addiction-sustaining liability.

Provision is also made in the bill for notice and opportunity for a public hearing in the interest of fairness to any pharmaceutical manufacturer who might sponsor a new drug. The remainder of the proposed bill merely inserts the keyword, "opiate," in the appropriate sections of the internal revenue code and of the United States code to make applicable all provisions of the Federal narcotic laws to such drugs in the same manner as was followed last year relative to isonipecaine.

N.Y. Fair Trade Bill Introduced

A new fair trade practice bill was introduced in the New York Legislature February 27 by Senator Walter J. Mahoney, of Buffalo, and Assemblyman Harry A. Reoux, of Warren, both Republicans.

Sponsored by retail trade organizations, the Mahoney-Reoux bill hits at fake wholesaling by requiring a vendor who sells at retail, "if he describes the nature of his business on any signs or displays or by any other representation as other than retail", to also describe such business as a "retail business." The bill specifically provides that no person as agent, commission agent, broker or otherwise, shall willfully and knowingly misrepresent to any retail purchaser or prospective retail purchaser the nature of the business conducted by any seller or merchandise, either by use of the word manufacturer, wholesaler, broker, retailer or any derivative synonym therefor, or otherwise; or willfully and knowingly misrepresent to any retail purchaser or prospective retail purchaser the prices at which any seller of merchandise will sell the same, as wholesale prices, when such is not the fact.

Swain Heads U.S.P. Board

At a special meeting of the board of trustees of the United States Pharmacopoeial Convention, Dr. Robert L. Swain, of New York has been elected as chairman, to fill the vacancy caused by the recent death of former chairman, Dr. E. F. Kelly. Dr. Swain was elected as a member of the board in 1936, and was reelected by the convention at its 1940 meeting in Washington, D. C. Because of his long service, he is well acquainted with the varied phases of Pharmacopoeial activity and the many problems which constantly confront the board.

RFC Surplus Sales Reported

OPD Washington Bureau

Sales of industrial chemicals, paints, varnishes, lacquers, japans, and thinners by the Reconstruction Finance Corporation from stocks which have been declared surplus by other government agencies totaled $300,000 as of January 31, according to the March 1 report of the agency. The cost of these materials sold was $457,000 and the amount remaining on hand totaled $1,518,000.

Industrial chemicals which cost the government $418,000 were sold for $279,000 and $1,364,000 remained on hand. Sales of paints, varnishes, etc., which cost $39,000 were sold for $21,000 and $1,518,000 remained on hand.

Fertilizer by Government Pushed by Farm Groups

OPD Washington Bureau

In a letter to Senator Lister Hill of Alabama, author of S.74, providing for expansion of the government's operations in the production of fertilizer, the National Farmers' Union expressed its "wholehearted" support to his "effort to develop national consciousness of the need for a genuinely representative fertilizer program and policy." The commendatory note to the senator was the result of the speech made on the floor of the senate by Mr. Hill, February 22, in which he attacked the fertilizer industry for not producing enough fertilizer to prevent soil erosion.

In the letter, signed by Russell Smith, legislative secretary of the group, the farmers' union said that it was particularly concerned that a program be developed for postwar use of nitrogen plants now being used for war purposes and that a program for phosphates be developed both to use the great deposits of the West and to

—Continued on page 41

Farm Marketing Study Authorized by House

OPD Washington Bureau

An investigation by the house committee on agriculture of the present system of marketing and distribution of farm products, with particular attention to the spread between prices received by farmers and those paid by the ultimate consumer for agricultural commodities, was authorized by the house February 26.

The inquiry is to be conducted under terms of H. Res. 54 and will touch on all phases of distribution, from the effect that transactions on futures commodities exchanges might have on interests of farmers and consumers to whether any practices exist in connection with the sale or distribution of insecticides, fungicides, and fertilizers that adversely affect the farmers' interest.

FWDA Eastern Managers Meet

Managers of the Eastern wholesale houses of the Federal Wholesale Druggists' Association held a metting in the Hotel Pennsylvania, February 16. Fifteen members were in attendance. The meeting discussed:—

(1) Comparative operating expenses; (2) comparative sales figures; (3) manufacturer-wholesaler relations; (4) manufacturer-retailer relations; (5) wholesaler-retailer relations; (6) labor problems; (7) new competition; (8) future plans for increasing sales potentialities and enlarging the prestige of member houses; (9) suggestions for enlarging FWDA activities.

A meeting of wholesale managers in the Chicago area has been scheduled for this month.

Draft Deferment Applications Must Be Early and Complete

OPD Washington Bureau

Producers of chemicals and related products facing the loss of their "keymen" to the armed forces were being urged this week by the War Production Board to hasten the filing with the field offices of the agency for screening and certification for occupational deferment from the draft of lists of essential and irreplaceable men under the age of thirty years engaged in warwork or essential civilian activities.

Although some details of the program of how WPB is to function in this matter are yet to be ironed out, it was stated that the machinery has been sufficiently established to proceed with the certification requirement. Before anything can be done, however, employers must supply the agency with lists of essential employees now classified 2A or 2B by local selective service boards.

Detailed instructions to employers on just how to proceed under the program and listing all the information required to be filed are now being printed and are to be mailed to all producers this weekend. At the same time the Office of Civilian Requirements is putting the finishing touches to a list of essential activities in civilian industries which is to be forwarded to the field offices of WPB to serve as a guide to them in passing on requests to certify the essentiality of workers in plants not engaged in warwork.

New List Almost Ready

It is understood that this list will supplement the critical and essential activities list of the War Manpower Commission and will rate the production of various commodities according to their relative importance to the civilian economy, ranging from the production of dynamite for use in the mining industry, to the production of dentifrices. Copies of the listing, which has been tagged the "OCR Relative Essentiality List," are expected to become available next week.

Because it can be expected that plants which are primarily engaged in

—Continued on page 39

Phila. Quartz Names E.A. Russell Vice-Pres.

Edwin A. Russell, director and sales manager of the Philadelphia Quartz Company, manufacturer of silicates of soda, Philadelphia, has been named

Edwin A. Russell

vice-president in charge of sales. Mr. Russell joined the company in 1918, was appointed assistant sales manager in January, 1921, and sales manager in January, 1928.

Mr. Russell is also director and sales manager of an associated company, the American Doucil Company, manufacturer of synthetic zeolites. J. Passmore Elkinton, vice-president and director, continues in charge of foreign sales. George J. Banse has been made an assistant treasurer and assistant secretary.

War Damage Insurance Extended Without Cost

War Damage Corporation has announced that in consideration of premiums heretofore collected all war damage insurance duly in force on February 28, 1945, will be extended automatically for a period of twelve months from the expiration date of the respective policies without the payment of additional premium or other charge. No action is required of the insured to keep the insurance in force for this extended period.

The automatic extension does not apply to insurance written under "Money and Securities," "Registered Mail or Express," "Transit," or "Builder's Risk on Hulls" policies, for which specific regulations will be issued. New and additional insurance written effective on or after March 1, 1945, shall be on the basis of the premium rates and conditions heretofore established.

Perrin War Committee Convention Secretary

OPD Washington Bureau

Frank Perrin has been made secretary of the War Committee on Conventions, Col. J. Monroe Johnson, committee chairman and director of the Office of Defense Transportation, has announced. Mr. Perrin, assistant general counsel of ODT, succeeds Richard H. Clare, who has been secretary of the committee since January 11.

Helium Storage Reservoir Planned

OPD Washington Bureau

The greatest single helium storage reservoir in the world is being started by the Bureau of Mines in the 50,000-acre government-owned Cliffside natural gas field in Texas, where surplus helium will be piped back into the ground for conservation and future use, Secretary of the Interior Harold L. Ickes has announced.

Completion of a new 32-mile helium pipeline between the Exell and Amarillo, Tex., helium plants of the bureau, together with pipeline connections to the Cliffside field near Amarillo, will permit the use of this natural underground storage place for the helium not needed now by military and governmental agencies and not required for commercial distribution, Secretary Ickes said.

WLB Authorizes 55-Cents Hourly Rate

OPD Washington Bureau

The War Labor Board has authorized the regional boards to permit the payment of a 55-cent hourly wage in order to eliminate sub-standards of living rates. Under some circumstances the boards may order 55-cent minimum. Under WLB policy heretofore, sub-standard wages were to be corrected up to 55 cents an hour and board permission was not necessary for revision unless prices were affected.

The change affects particularly textiles, service trades, Southern railroads and a number of related industries. While the decision does not mean that all these employees will be raised to 55 cents an hour, it does mean, however, that employers or employers and employees jointly may ask the board's approval to pay that wage.

OPD Price Index

The OIL, PAINT AND DRUG REPORTER'S relative record of prices for chemicals and related materials is currently as follows:—

Mar. 2, 1945	Feb. 23, 1945	Mar. 4, 1944
133.2	133.2	137.9

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

Quicksilver returned last week to the price picture of the markets for chemicals, oils, and drugs. Its reappearance was marked by a change of sides, spot and Pacific quotations being reduced. Price activity was more in evidence than it had been, both in variety and in number of items affected. The net effect was not sufficient appreciably to change the general average.

The call of the draft was sounding closer and louder in most sections of the industries composing both sides of the markets. At least ripples of the influence of the WLB wage boost were becoming noticeable. Neither factor indicated any major change in productive capacity, but there also was no indication that handling would not be more severely crimped.

Exporters Must Have Import Recommendation

OPD Washington Bureau

Exporters seeking authority to ship abroad without filing the required import recommendation because the receipt of the document from the foreign importer has been "unduly delayed" should wait at least thirty days after the normal time required for mailing of the form by the importer before applying for an export license, FEA announced February 26.

The announcement was intended as a clarification of the meaning of the term, "unduly delayed," used in comprehensive export schedule No. 16 with reference to exports to countries where the application for a general license must be accompanied by an import recommendation from the importer in order to be approved. In cases where such recommendation has been unduly delayed, the exporter's license application is to be accompanied by a letter giving the customer's order number and the number of the import recommendation, and stating that the import recommendation has not been received but that it will be forwarded to FEA immediately on receipt.

FEA stated that, for a proper consideration of those commodities remaining under the decentralization plan, it is necessary that import recommendations be submitted.

Bids Wanted

Chrome Alum:—4,200 pounds, Procurement Division, Veterans Administration, Washington (25); invitation 385, opening March 7.

Core Oil:—108 gallons, Purchasing Agent, District Government, Washington (4); schedule 6654, opening March 8.

Creosote Oil Stain:—250 gallons, Purchasing Officer, Interior Department, Washington (25); invitation 9336, opening March 8.

Dibutyl Phthalate:—1 drum, Purchasing Agent, Government Printing Office, Washington (25); opening March 5.

Drugs and Chemicals:—Supply Officer, Veterans Administration, Apsinwall, Pa.; invitation 45-119, opening March 9.

Ether:—Procurement Division, Veterans Administration, Washington (25); invitation 386, opening March 7.

Ethyl Acetate:—110 gallons, Purchasing Agent, Government Printing Office, Washington (25); opening March 5.

Ethyl Alcohol:—10,500 wine gallons, General Purchasing Officer, The Panama Canal, Washington (25); schedule 7768, opening March 10.

Fertilizer:—Office of the Commissioner of Purchases and Supplies, City Hall, Cleveland; ordinance No. 132-45, opening March 8.

Lacquer, Olive Green Spraying:—25 gallons, Purchasing Agent, Government Printing Office, Washington (25); opening March 5.

Margarin, Colored: — 1,800,000 pounds, Contract Development Section, Procurement and Price Support Branch, Office of Supply (Commodity Credit Corporation), War Food Administration, Washington (25); announcement Awd-396, opening March 6.

Polyvinyl Acetate Emulsion: — 36,000 pounds, Purchasing Agent, Government Printing Office, Washington (25); opening March 9.

Trichloroethylene:—2,500 gallons, General Purchasing Officer, The Panama Canal, Washington (25); schedule 7768, opening March 10.

Obituaries

James E. Bartlett

James E. Bartlett, chairman of the board of Allied Laboratories, pharmaceutical and biological manufacturer, Indianapolis, died February 23 in his

J. E. Bartlett

home in Fort Lauderdale, Fla. He was formerly president of the Pitman-Moore Company and previously president of Parke, Davis & Co., Detroit. He was in his seventy-ninth year.

Mr. Bartlett was born in Chicago, son of Charles S. and Sarah (Davis) Bartlett. He worked as a lad in the lumber business and later as a clerk for Marshall Field & Co. Attracted by the drug business, he went to Detroit in 1889 and became a traveling salesman for Parke, Davis & Co. Recognizing the value of technical training, he entered the Philadelphia College of Pharmacy, specializing in the chemical and production phases of pharmacy. He returned to P-D as a production foreman; later he became successively buyer, assistant superintendent, and superintendent of the laboratory.

In 1896, Mr. Barlett took charge of the newly opened P-D branch in Chicago. He returned to the main organization in 1913 as salesmanager. He became president of the company in 1920, but resigned that office about a year later to become manager of the P-D office in New York. He retired at the end of that year, intending to catch up on his golfing. But, he couldn't stay resting, and in the Summer of 1923 he purchased the controlling interest of the late Harry C. Moore in the Pitman-Moore Company and became president and general manager of the business. He left those positions in 1935 to become chairman of the board of Allied Laboratories, into which he had helped to put the Pitman-Moore Company in 1929.

Mr. Barlett was a well-known figure in all fields of pharmacal activity. He left a widow, formerly Miss Martha Mitchell, a son, Mitchell Crosby Bartlett, an executive of the Pitman-Moore Company, and two grandsons.

George W. Cobb

George W. Cobb, retired general sales manager of the American Can Company, New York, died in Sebring, Fla., February 27. He was seventy-three years of age.

Mr. Cobb entered the canning and container industry soon after graduation from Colgate University in 1894 as an employee of the Cobb Preserving Company, Fairport, N. Y., which was founded by his father, Amos H. Cobb.

In 1904 he established the Sanitary Can Company in Fairport in association with Charles M. Ames. When this was absorbed by the American Can Company in 1910 Mr. Cobb became assistant sales manager of American Can and was promoted to general sales manager in 1923. He retired in 1932.

Surviving are his wife, a son and a daughter.

H. R. Smalley

Harold Ryland Smalley, chief agronomist for the National Fertilizer Association and director of its soil improve-

—*Continued on page 52*

Textile Bags Supply Problems Discussed

OPD Washington Bureau

No changes in the present practice of distributing cotton goods to manufacturers of textile bags should be made by the War Production Board until a detailed study of the problem is made and recommendations filed, members of the New Textile Bag Manufacturers Industry Advisory Committee unanimously recommended at a recent meeting, WPB has announced. The industry members expressed the fear that a change in the method under which they obtain cotton cloth to make agricultural bags unless the new procedures are carefully worked out might result in bag shortages and delivery delays.

Increased demand for bags, and a reduction and rigid control in the supply of cloth from which to fabricate bags for packaging foods and agricultural products may require a change in present procedures, WPB said. Members of the industry said that the system under which they have been obtaining supplies of cotton cloth has resulted in an uninterrupted and equitable flow of bags throughout the country.

Titanium Alloys Names Thews Sales Manager

Karl B. Thews has been appointed manager of sales by the Titanium Alloy Manufacturing Company, Niagara Falls, N. Y. His new responsibilities include direction of metallurgical, chemical and ceramic sales, as well as all field developments. Prior to this, his position was that of chief development engineer of the chemical division.

J. G. Merriam has been appointed to the sales staff in the Detroit area with headquarters in Toledo, Ohio. He was formerly engaged in laboratory work at the Niagara plant. Gilbert H. Jeffery will expand the scope of field development work in the New York district for the company.

Harold D. Prior has been transferred to the New York sales staff of the Titanium corporation, and has been placed in charge of the work. John R. Lewis has been appointed to the sales department in the Pittsburgh territory. He was previously doing important work for the company as a metallurgical engineer. Ross G. Harrison, jr., formerly with the Bendix Aviation Corporation, has joined the sales department as a development engineer.

Phthalic Alkyds Order Eased for Off Grades

OPD Washington Bureau

Special consideration will be given to all requests to use up inventories of off-grade or obsolete phthalic alkyd resins, in view of the supply situation of this material, the War Production Board announced March 2.

Applications for materials designated as off-grade or obsolete should be submitted by users on form WPB-2945, and the nature of the resin for which the allocation request is being made should be clearly indicated, WPB emphasized.

If the off-grade or obsolete phthalic alkyd resins cannot be used for important military needs, every effort will be made to place this material where it is most essential in the civilian economy, WPB added.

NationalAtlanticResearch Formed by Merger

National Atlantic Research Corporation has been formed under Massachusetts laws. This new corporation combines the facilities and personnel of the laboratory of National Fireworks, Inc., with those of Atlantic Research Associate, Inc., at Newtonville and Newton Center, Mass.

The incorporators of the new company were General Daniel Needham, Charles R. Cabot and F. C. Atwood. Mr. Atwood heads the new company and has as vice-presidents Dr. Henry Hill, Dr. Joseph Ackerman and Edwin S. Dwelly. Lloyd K. Larson is treasurer.

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Stauffer Chemical to Operate DPC Indiana Plant

Stauffer Chemical Company, New York, has entered into a contract with the Defense Plant Corporation, to provide equipment at a plant in Hammond, Ind., at a cost of approximately $700,000. Stauffer Chemical will operate these facilities, title remaining in Defense Plant Corporation.

Business in December

* Now includes "products of coal."

Leaded Zinc Oxide Under Preference Order

OPD Washington Bureau

Deliveries of leaded zinc oxide were placed under the restrictions of general preference order M-11-a by the War Production Board February 17. The material is defined in the amended order to mean all grades of zinc oxide containing less than 98 percent of zinc as ZnO and 2 percent or more of lead as $PbSO_4$.

Under the terms of the order no person shall give any effect to any preference rating on any purchase order for leaded zinc oxide, unless the person placing such purchase order furnishes a certificate in substantially the following form:—

The undersigned hereby certifies to the War Production Board and to the seller that his purchase order No. ....., dated ....., for leaded zinc oxide is a "preferred order" as defined in order M-11-a, or is for replacement of leaded zinc oxide withdrawn from inventory within the previous thirty days to fill "preferred orders" but which had not been originally acquired to fill "preferred orders."

Rated orders not accompanied by a certificate, may be filled as unrated orders to the extent permitted by priorities regulation No. 1. "Preferred orders" are defined in the regulation to be any purchase order for leaded zinc oxide or for a product containing leaded zinc oxide (1) rated under preference rating order P-65, or (2) where the leaded zinc oxide or the product containing leaded zinc oxide is to be delivered or used on or incorporated in material to be delivered to the military, the Bureau of Engraving and Printing, Government Printing Office, or lend-lease.

Chemicals for Turkey Control List Augmented

OPD Washington Bureau

Several chemicals and allied products have been added to the list of commodities which have to be approved by the British-American Coordinating Committee in Turkey before exporters may file applications for licenses to ship to that destination, it was announced February 26 by the Foreign Economic Administration.

The additions are:—Brake fluid and shock absorber fluid, not of petroleum origin; butyl acetate; butylene, polymers and copolymers; gums and resin, except shellac; lead bichromate; lead ore and lead manufacturers; nicotine, acid and nicotinamide acid; potassium chlorate; scientific and professional instruments.

Postwar Foreign Trade Report Deadline Delayed

The time wthin which the United States Tariff Commission is to file its report on probable postwar foreign trade, now under investigation in accordance with S. Res. 79 passed by the senate last December, has been extended to April 28.

The resolution providing for the investigation stated originally that the report be filed by February 28, but because of the size of the task the commission informed the senate that it would be impossible to complete it within such a short time.

Eucalyptus Seed Bought for Russia

The War Food Administration has made a special purchase of an aggregate of 105 pounds of seeds of nine species of eucalyptus, paying an average price of $6.90 a pound. The purchase was made February 3 from Eustace Rush, Burbank, Cal. and comprises lots of from 2½ pounds to 31 pounds.

Officials said that the seeds were bought at the request of the Soviet government for shipment to Russia. They had no knowledge, however, of what disposition was to be made of the seeds by the Russians.

Surplus Property Board General Counsel Named

The Surplus Property Board has announced the appointment of Wesley A. Sturges as general counsel. Mr. Sturges is on leave from the Yale Law School, where he has been Phelps professor of law for twenty years.

Washington Talks It Over

Observations • Prognostications • Developments

By OPD Observer

During the months just ahead, war industries are facing their gravest tests since the start of the war, in meeting the production goals set for this year by the military. From here on out, business analysts declare, it is going to be touch-and-go whether even the 1944 production levels will be reached, much less surpassed, as is desired by the armed forces.

The thing that is causing so much concern is the army's latest call for more men below twenty-nine years of age for military service. Eighty percent of the men in the eighteen-through-twenty-nine age group can expect to receive their "greetings" from the local boards by July 1. Even if the "keymen" are left, the analysts say, industry can't hope to maintain production levels and at the same time lose such a large proportion of its desirable manpower.

There is a chance that the situation can be saved if the country is made more "war conscious." There is much evidence that morale among workers is at a low ebb. Labor disturbances at plants which are vital to the war effort are on the increase. Reports are current of slowdowns existing in other plants. And to add to the confusion Lewis has given notice to WLB that he will call the coalminers out on strike—the notice being served even before he sat down with the operators to negotiate a new contract.

It is in the direction of making the country more "war conscious" that the administration is now moving. The curfew placed on nightclubs and other entertainment establishments has this as its chief purpose, regardless of what other reasons may have publicly been given.

Fertilizer Control Delegated

Dr. G. F. MacLeod, new chief of the Chemicals and Fertilizers Branch of WFA, was formally delegated the authority this week to administer WFO-5, the mixed fertilizer order, and WFO-105, the organic fertilizer order, by F. B. Northrup, director of the WFA Office of Materials and Facilities.

While there has never been any doubt in the fertilizer industry that the chief of the branch was the person primarily responsible for administering the orders, from a legalistic standpoint it was questionable since the authority originally rests with the War Food Administrator. Being a most busy man trying to feed the nation and our allies, Mr. Jones couldn't be expected to handle the details of fertilizer distribution, so he delegated his authority to Mr. Northrup. Mr. Northrup has many other responsibilities to look after besides fertilizers, so he delegated the authority to Dr. MacLeod. Now that Dr. MacLeod has it, everything is legal.

DDT Spray Antifreezed

Specifications for DDT spray developed by the Quartermaster Corps to control roaches, flies, mosquitoes, bedbugs, ants, and other insects have had to be changed by the War Department because of a tendency of the spray to crystallize at low temperatures.

Kerosene is the vehicle used in the spray solution of the department and while this has proved satisfactory in warm climates, the spray became almost useless when kept in unheated storage or subjected to the cold of the northern areas. The difficulty was found to be overcome by adding 15 percent of a special menthylated naphthalene to the kerosene. The new formula shows no crystallization at temperatures as low as 20 degrees below zero.

The specifications have been revised to require the inclusion of this substance in all future purchases of DDT sprays by the QM.

FTC Merger Ban Looms

The Federal Trade Commission is going to make a real try this year for congressional enactment of a bill to close the loophole in the Clayton act that permits competing companies to merge through acquisition of assets and thus circumvent the intent of the law to prohibit trade restraints. At the behest of the commission, Senator Joseph O'Mahoney of Wyoming and Representative Estes Kefauver of Tennessee have introduced identical bills to close this door to industrial mergers.

The intent of the Clayton act is to outlaw monopolistic mergers; but, as a result of decisions of the supreme court, section 7 of the act has been construed to prohibit mergers of competing firms by one concern's buying up the capital stock of another. Because it says nothing about mergers through acquisition of assets, the supreme court has held these to be exempt.

The legislation being proposed would be more or less flexible in operation. Following along the lines of the recommendations of TNEC in 1941, the bills give FTC authority to forbid the acquisition of the assets and property of competing corporations of over a certain size unless it be made to appear that the purpose and apparent effect of such consolidation would be desirable. Thus the commission could either say "yes" or "no," depending on what it thinks is best for the country.

Oilshale Plant Located

The Bureau of Mines has decided to locate its $1,500,000 oilshale demonstration plant on the United States Naval oilshale reserves in western Colorado in the Anvil Points area, about seven miles west of the town of Rifle. The plant is one of several to be built for the purpose of developing methods on a plant scale of producing synthetic liquid fuels from oilshale, coal, and farm products.

An extensive survey of possible sites for location of the demonstration plant for liquid fuel from coal is still underway, but no decision on the site is expected to be made for some time. Bureau of Mines technicians now are overseas examining recently captured German plants which made synthetic fuel from coal for such information as they can discover that will be valuable in the projected plant to be erected in this country.

Business Looks Good

The Bureau of Foreign and Domestic Commerce looks for high-level business conditions to continue through 1945 whether the war in Europe ends fairly early or continues throughout the year. An early ending of the European phase of the conflict will certainly lead to a decline in production volume and employment, but so long as the war in the Far East continues, the volume of government expenditures will remain high and, in conjunction with the deferred demand for both consumption and capital goods of various types, will assure favorable business volume.

The probable economic situation in 1945, if the war in Europe should continue, likewise seems clear to the bureau. Military requirements of the coming months will be largely conditioned by attrition on the battlefields, by changes in needs brought to light through battle experience, and by improvements in the design of combat weapons. While these factors are certain to cause many revisions in production schedules, the continuing large government expenditures will insure production and income in the same magnitudes as in 1944.

The changes that will become noticeable will be slightly downward as more of the urgent military demands are met.

Doctors to Be Scarce

There are increasing indications that Congress is becoming disturbed over the effect that the war is having upon the future supply of new doctors because of the inroads made by the draft upon student enrollments. As

—*Continued on page 60*

WPB Steel Drum Order Discussed by Advisers

Proposed changes in the War Production Board's steel shipping drum order L-197 were discussed by members of the Steel Shipping Containers Industry Advisory Committee at a recent meeting here, WPB has reported. It is desired to keep the order flexible and permit industry to produce as many drums as possible to fill essential needs, officials explained. The most critical needs were said to be in the small drum and pail field, and indications were that the future demands of the Army, Navy and Air Forces would increase materially, especially for small sizes.

A representative of the WPB Steel Division reported that the steel situation is becoming more acute, that there was no room on steel mill schedules for any more orders for the second quarter, and that third quarter schedules are rapidly filling up. There are no possibilities for increased allocations of steel in the near future except for the Army and Navy orders, he said.

Industry members reported that the volume of rated military orders is increasing and that consequently their rated backlogs are building up. Inventories of steel were reported decreasing and deliveries falling behind schedule because of gas and manpower shortages, transportation difficulties and weather conditions.

Calcium Hypochlorite Allocation Transferred

The War Production Board has transferred allocation control of high-test calcium hypochlorite from order M-19-a to schedule 93 of order M-300, the general chemicals allocation order. At the same time order M-19-a, also governing chloride of lime (bleaching powder), was revoked. Increased production of chloride of lime, due to the construction of new facilities, has made the supply adequate to meet all demands, WPB said. Chloride of lime is used chiefly by the military for sanitation purposes.

Direct military requirements for high-test calcium hypochlorite continue to be heavy, WPB reported. According to the provisions of schedule 93, a monthly small-order exemption of 45 pounds is provided. There was no small-order exemption for the high-test calcium hypochlorite prior to today's action.

Each supplier seeking authorization to use or deliver more than 1,000 pounds of calcium hypochlorite per month is required to file form WPB-2947 by the tenth day of the month before the proposed delivery month. Distributors who purchase for resale between 45 and 1,000 pounds per month in the aggregate from all suppliers must submit an end use certification to their suppliers, WPB pointed out. Formerly, only producers of calcium hypochlorite were required to file Form WPB-1334.

Spot Authorization Rule Extended by WPB

The War Production Board has announced a 90-day extension of the rules limiting spot authorizations of civilian goods production in critical labor areas. The ruling, which prohibits spot authorizations under priorities regulation No. 25 in group I and II labor areas, except with the unanimous approval of the local Production Urgency Committee, was originally scheduled to expire as of March 1, 1945. In view of the present critical labor shortage in war plants, it has become necessary to extend the term for an additional 90 days, subject to change should conditions warrant, WPB said.

Gasoline Bead Catalyst Price Is Reduced

Because of its wide acceptance in the making of high octane aviation gasoline, the Socony-Vacuum Oil Company, Inc., has reduced the price of its bead catalyst from 25 cents per pound to 18 cents per pound. As more beads are becoming available, other companies throughout the country are adopting them for use in thermofor catalytic cracking units, with resultant volume and quality improvements.

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Lend-Lease Aid Offered to France

OPD Washington Bureau

A new type of lend-lease arrangement offered by the United States which, in addition to the customary lend-lease and reciprocal aid agreements, provides for credits totaling $2.575,000,000 was accepted by France February 28, it was announced by the Department of State.

The new credit arrangement is designed to assure France of the continued receipt of specified materials needed for its economy after the President has determined that the war production materials and other vital supplies and services furnished under lend-lease are no longer necessary for the prosecution of the war. It is the first time that this arrangement has been employed. A similar proposal has been offered to Russia but has not been accepted as yet.

The maximum aid to be furnished the French by the United States under the arrangement is specified in two schedules. Schedule 1 articles and services totaling $1,675,000,000 are to be

—Continued on page 58

Dr. Kyrides First Winner Of A.C.S. Midwest Award

Dr. Lucas Kyrides, research director of organic chemicals division of the Monsanto Chemical Company, St. Louis, has been awarded the first Midwest Award of the American Chemical Society.

The award, a gold medallion, is to be given each year by the society's St. Louis Section to the individual adjudged most outstanding in the point of "meritorious contribution to the advancement of pure or applied chemistry or chemical education." Eligible for the honor are chemists residing in Mo., Kans., Iowa, Okla., Neb., Ark., Ky., Tenn. and Ill.

The initial presentation will be made at a dinner in Hotel Coronado, St. Louis, March 5, under the auspices of the St. Louis Section. Dr. Kyrides will be the principal speaker, outlining advances which have taken place in chemistry within the span of his own career.

Dr. Kyrides is credited with pioneering the development of synthetic rubber substitutes in this country, perceiving the possibilities of isoprene, butadiene and dimethyl butadiene, working out the synthesis of workable processes for these hydrocarbons and guiding the fabrication of America's first set of synthetic tires.

Hyatt Award Entries To Close March 26

Entries for the 1944 John Wesley Hyatt award, the nation's most distinguished award for achievement in the plastics industry, were invited in an announcement made by William T. Cruse, secretary of the award committee. The names of men and women to be considered by the judges must reach the committee's headquarters at 295 Madison avenue, New York, not later than 12 o'clock noon, March 26, 1945.

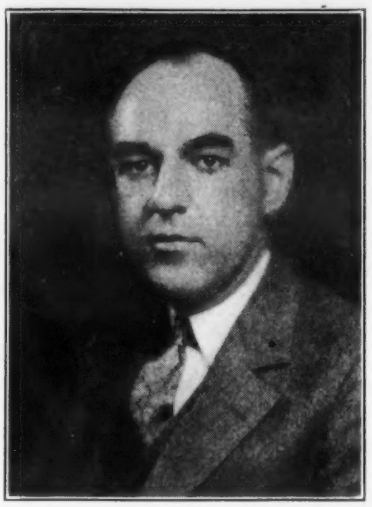
The award, consisting of a gold medal and a cash gift of $1,000 sponsored annually by Hercules Powder Company, is presented by the award committee to the individual who, in the opinion of the judges, has made an outstanding contribution of wide importance to the plastics industry during the preceding year (1944). Anyone may enter or be entered as a candidate for the award, whether he or she be a molder, toolmaker, mechanic, laboratory technician, executive, or engaged in any other capacity.

Petroleum Reserves Tallied by A.P.I.

More than 2,000,000,000 barrels of new petroleum reserves were added to the oil supply of the nation during 1944 by the discovery of new oil pools and the further development of older pools, according to the annual report of the committee on petroleum reserves, just made to the board of directors of the American Petroleum Institute. Despite a record crude oil production of 1,678 million barrels during the year, the net gain in the proved oil reserves of the country amounted to 389 million barrels in 1944.

Horace Felton Heads Felton, Sibley & Co.

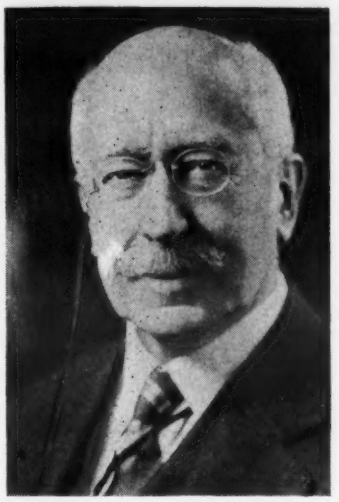
Horace S. Felton has been elected president of Felton, Sibley & Co., paint manufacturer, Philadelphia. He succeeds J. Sibley Felton, who has retired after being affiliated with the organization for fifty-six years. Theodore Kling has been named treasurer to fill a vacancy caused by the retirement of Walter G. Sibley, who had been associated with the firm for fifty-four years. Other officers of the company elected were:—



Horace S. Felton

Vice-president in charge of sales, Walter G. Sibley, jr.; vice-president in charge of production, John F. McMenamin; associate vice-president, Walter B. Davelin; secretary, Frederick P. Klemp. Albert H. Stover has been appointed technical director. The newly elected president and vice-president in charge of sales represent the third generation of their respective families serving the corporation.

Honored by Chemists



Dr. Marston T. Bogert, professor emeritus of organic chemistry in Columbia University, has been elected an honorary member of the American Institute of Chemists. Dr. Bogert was cited "for outstanding service to the profession of chemists and the science of chemistry." He is president of the International Union of Chemistry, and a former president of the American Chemical Society.

W.P. Cohoe Nominated Chemists' Club President

Wallace P. Cohoe, consulting chemist, has been nominated for the presidency of the Chemists' Club, New York. Other nominees are:—Resident vice-president, C. L. Knowles, of The Dorr Company; non-resident vice-president, W. B. Plummer, of The Standard Oil Company (Indiana), Chicago; suburban vice-president, Harry L. Fisher, of the U. S. Industrial Chemical Company, Stamford, Conn.; secretary, Lloyd VanDoren; treasurer, Ira Vandewater, of R. W. Greeff & Co., New York.

Rosin Use Severely Restricted by WPB

Strict limitations on the amount of gum or wood rosin that may be used during 1945 for the manufacture of products to fill either preferred or civilian orders were placed in effect March 1 by the War Production Board to meet the growing crisis in available supplies of this important material.

Under terms of conservation order M-387, issued by the board February 28, the amount of rosin that may be used in the manufacture of schedule "B" products is reduced 75 percent below the corresponding quarter of 1944 in the case of soap for civilian account, and by 70 percent in civilian orders for adhesives, coatings for the manufacture of coated fabrics, linoleum and printed floor coverings, protective coatings, including paints, varnishes, lacquers, etc., and shoe polish and shoe materials.

Ex-quota usage of rosin is permitted to fill "preferred orders" for these schedule "B" products, however.

The limitations placed on the use of rosin in manufacturing schedule "A" products to fill all orders (preferred and civilian) are:—100 percent for foundry supplies, insecticides or disinfectants, oils and greases, pharmaceuticals, and rubber; 85 percent for printing ink and 70 percent for paper and paperboard.

No ex-quota usage of rosin is permitted to fill "preferred orders" for these scheduled "A" products.

The order states that a manufacturer must charge against his rosin quota for the particular calendar quarter for the production of the particular schedule A or B product, the rosin content of any intermediate product as well as the quantity of gum and wood rosin which he puts into process in that quarter for that purpose. Each manufacturer therefore may take into consideration, when figuring the amount of his rosin quota for that product, the rosin content of all intermediate products which he put into process in the manufacture of that product in the corresponding quarter of the year 1944, in addition to the quantity of gum and wood rosin which he put into process for the same purpose in that quarter. The order contains a table for figuring the rosin content of the intermediate products. (See table below.)

For other intermediate products, the rosin content must be ascertained.

With respect to end of quarter carryover, the order states that if, in any calendar quarter, a manufacturer does not use all of his rosin quota for the manufacture of any schedule A or B product, the unused balance may be carried forward and used only in the succeeding calendar quarter for the manufacture of that product. It cannot be carried over to the next succeeding quota.

During the month of March—the last month of the present quarter—no manufacturer may put into process for the manufacture of any Schedule A or B product more rosin than one-third of his rosin quota for the manufacture of that product.

Rosin inventories of manufacturers who are not producers of rosin are limited to a three months' supply. Rosin inventories of manufacturers who are also producers of rosin are limited to six months. No manufacturer is allowed to consume gum or wood rosin, or intermediate products, in quantities which will result in his having an inventory of intermediate products at any time in excess of the total rosin content of all intermediate products produced by him during the previous calendar quarter.

The term inventory includes inventory at factory, in storage on and off the premises, and in transit to factory or storage.

Intermediate products	Estimated rosin content
Mixing varnishes, containing rosin	1¼ lbs. of rosin per gal. of mixing varnish.
Esterified rosin	96 lbs. of rosin per 100 lbs. of resin.
Rosin-modified phenolic resin	85 lbs. of rosin per 100 lbs. of resin.
Rosin-modified maleic resin	80 lbs. of rosin per 100 lbs. of resin.
Heat-treated rosins	100 lbs. of rosin per 100 lbs. of heat-treated rosins.
Stabilized rosins	100 lbs. of rosin per 100 lbs. of stabilized rosins.
Polymerized rosins	100 lbs. of rosin per 100 lbs. of polymerized rosins.
Metal resinates	90 lbs. of rosin per 100 lbs. of metal resinates.

Paint Production Club News

Relative merits and deficiencies of exterior house paints containing appreciable percentages of bodied linseed oil and volatile thinners to conform with war restrictions, were demonstrated, so as to determine the advisability of continuing their production in the postwar period, at the dinner-meeting of the New York Paint and Varnish Production Club, held in the Building Trades Employers Association building, March 1.

Dr. George F. A. Stutz, chief of the development engineering division of the New Jersey Zinc Company, at Palmerton, Pa., speaking on "Postwar Outside House Paint," developed this subject by explaining the data on the war formulations calling for the replacement of standard raw linseed oil with bodied oil and the employment of titanium, lead zinc and extenders which he had evolved from analyses made in his company's laboratory within the past sixteen months and in outdoor tests in California, Florida, Colorado and Illinois, as well as on the grounds of his company's plant in Pennsylvania.

The most probably action by the paint manufacturers in the postwar period, when restrictions are removed, Dr. Stutz said, appears to be a continuation of the use of the bodied modified vehicle. He said that there may be advantages in the use of this type of vehicle, such as lower cost, better flow and satisfactory brushing, when the pigment contains high consistency inerts such as mica, improved drying, good cleansing and improved durability.

In order to develop probable formulae, Dr. Stutz explained that his tests had included a number of pigment combinations of titanium, lead, zinc and extenders, and even some fume-proof lead free combinations as well as a number of oil and oily resinous vehicles at different pigment volumes. Of these seventeen vehicle combinations had been studied and tested. While admitting that final data thereon would not be available for some time to come, Dr. Stutz asserted that the present data indicate:—

(1) Paints possessing satisfactory consistency, packaging and application properties can be formulated.

(2) Paints possessing good gloss and gloss retention are obtained, although the bodied oil modified paints tend to be slightly lower in gloss properties than the prewar linseed oil paints. This is partly counterbalanced by better leveling characteristics.

(3) Pigment compositions similar to those used with the orthodox prewar linseed oil vehicle can be used.

(4) Since the special vehicles tend to produce paints of lower yield values (more runny) and greater flow properties, the poorer wetting, higher consistency inerts that increase yield and decrease flow may be used. Thus, advantage can be taken of mica to increase the durability of the paints.

(5) Optimum pigment volumes generally fall between 31 and 35 percent, instead of the 27 to 30 percent of the prewar linseed oil paints.

(6) Chalking rate and cleansing properties of the paint film increase with increase in pigment volume.

(7) Rutile TiO_2 substitution for anatase TiO_2 results in slower chalking, poorer maintenance of whiteness and poorer cleansing characteristics in the early stages of exposure. The poorer appearance of rutile TiO_2 paints is very evident and quite general at present.

Cleveland Club

Thirty-six members and guests attended the February meeting. E. L. Gott, president of the Federation of Paint and Varnish Production Clubs gave a talk on the work of the federation for the coming year. It was announced that there would not be a Spring symposium due to travel restrictions.

S. Lorig reported that copies of the notes taken at the first meeting of the committee on "Accelerated Weather Testing" are available to members on request. A large number of weather test panels were reviewed and a group of the most interesting were selected for future work on this problem.

George Ashelman of the New Jersey Zinc Sales Company gave a talk on "Post-War House Paints." Mr. Ashelman stated that it is the general consensus of opinion that no great changes in the pigmentation of house paints may be expected in the postwar period, but that there may be new

—Continued on page 48

A decade of Vitamin Leadership

For a decade—since 1934, when Ascorbic Acid was synthesized—the name Merck has been identified with leadership in the synthesis, development, and large-scale production of pure vitamins.

The following list of contributions in the vitamin field made by Merck chemists and their collaborators emphasizes the outstanding rôle played by Merck & Co., Inc. in the development of these vitally important substances.

1934

Ascorbic Acid Merck (U.S.P.) was made available by Merck & Co., Inc.

1936

Vitamin B_1 was synthesized in the Merck Research Laboratories.

1937

Thiamine Hydrochloride Merck (U.S.P.) was made available in commercial quantities.

1938

Nicotinic Acid Merck (U.S.P.) (Niacin) and Nicotinamide Merck (U.S.P.) (Niacinamide) were made commercially available.

1938

Riboflavin Merck (U.S.P.) was the second pure crystalline vitamin to reach commercial production during that year.

1938

Alpha-Tocopherol (Vitamin E) was identified and synthesized by Merck chemists and their collaborators in other laboratories.

1939

Vitamin B_6 was synthesized in the Merck Research Laboratories.

1940

Vitamin B_6 Hydrochloride Merck (Pyridoxine Hydrochloride) became available in commercial quantities.

1940

Alpha-Tocopherol Merck (Vitamin E) was made commercially available.

1940

Vitamin K_1 Merck (2-Methyl-3-Phytyl-1,4-Naphthoquinone) was made commercially available.

1940

Menadione Merck (U.S.P.) (2-Methyl-1, 4-Naphthoquinone), a pure chemical having marked Vitamin K activity, became available in commercial quantities.

1940

Pantothenic Acid, member of the Vitamin B-Complex, was identified and synthesized by Merck chemists and their collaborators in other laboratories.

1940

Calcium Pantothenate Dextrorotatory, a biologically active form of Pantothenic Acid, was made commercially available by Merck & Co., Inc.

1943

Biotin, member of the Vitamin B-Complex, was synthesized in the Merck Research Laboratories.

1944

Biotin Merck was made available for investigative use by Merck & Co., Inc.

Merck & Co., Inc. now manufactures all the vitamins commercially available in pure form, with the exception of vitamins A and D.

You are invited to write for literature

MERCK & CO., Inc. *Manufacturing Chemists* **RAHWAY, N. J.**

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In Canada: MERCK & CO., Ltd., Montreal and Toronto

Current Market Quotations Chemicals and Related Materials

March 2, 1945

Unless otherwise indicated, quotations are first-hands on large lots, f.o.b. New York. Price changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4.

All matters under this heading fully protected by copyright.

A

Acacia (see Gum, Arabic).
Acetaldehyde,[4,6] 99%, dms., 55 gals., works..lb. .11 - —
5 and 10 gals., works.....lb. .14 - —
Acetaldol (see Aldol).
Acetamide, CP, fib. dms., 5,000 lbs. a year, works..lb. .36 - —
smaller lots, works.....lb. .38 - .70
tech., fib. dms., 5,000 lbs. a year, works..lb. .28 - —
smaller lots, works.....lb. .30 - .50
Acetanilide, tech., cryst., bbls..lb. .29 - .31
powd., bbls.....lb. .27 - .29
USP, cryst., bbls.....lb. .36 - .37
kgs.....lb. .37 - .39
powd., bbls.....lb. .34 - .35
kgs.....lb. .35 - .37
Acetic anhydride,[6] dms., c.l., frt. alld..lb. .11½- —
l.c.l. frt. alld.....lb. .13 - —
Acetoacetanilide, bbls., dms...lb. .49 - .67
Acetone, CP,[1,6] dms., c.l., divd. E.*..lb. .08 - —
l.c.l., divd. E.*.....lb. .08½- —
tanks, divd. E.*.....lb. .07 - —

* OPA ceiling for East; Western ceiling, ½c. per lb. higher.

Methyl (see M).
Acetonitrile, dms., c.l., works..lb. .60 - —
l.c.l., works.....lb. .75 - —
5-gal. lots, works.....lb. .80 - —
less than 5-gal. lots, works, lb. .90 - —
Acetophenetidin, USP, bbls., kgs., 1,000-lb. lots..lb. 1.00 - —
dms.....lb. 1.08 - 1.10
Acetophenone, cns., dms.....lb. 1.68 - 1.75
Acetyl chloride, cbys., works..lb. .60 - —
Acid, abietic, dms., c.l., wks..lb. .07½- —
Acetic,[1,6] com'l or redist., 28% bbls..100 lbs. 3.38 - 3.63
56%, bbls.....100 lbs. 5.59 - 5.83
70%, bbls.....100 lbs. 6.68 - 6.93
80%, bbls.....100 lbs. 7.47 - 7.72
99.5%, bbls.....100 lbs. 9.15 - 9.40
glacial, nat., c.p., dms., works..100 lbs.12.50 -13.25
99.5%, bbls.....100 lbs. 9.15 - 9.40
tanks .....100 lbs. 6.93 - 7.25
synth., tech., bbls., works, 100 lbs. 9.15 - 9.40
dms., works.....100 lbs. 9.25 - 9.75
tanks, works.....100 lbs. 6.93 - 7.25
USP, dms., works..100 lbs.10.50 -11.00
pure, 30%, bbls.....100 lbs. 4.41 - 4.69
36%, bbls.....100 lbs. 4.86 - 5.11
60%, bbls.....100 lbs. 7.60 - 7.85
80%, bbls.....100 lbs. 9.26 - 9.51
USP, 36%, cbys.....lb. .08 - .10

Acetic acid prices ranges above are for c.l. and l.c.l. quantities. Carboys and cases are 50c. per 100 lbs. higher.

Acetic anhydride,[6] (see Acetic anhydride).
Acetylsalicylic,[1] special, USP, bbls., makers, primary distrib., point of shipm't, 100-lb. lots..lb. .45 - —
smaller lots, same basis, lb. .46 - .59

Standard USP, fine cryst., gran. (20-40 mesh), powd. (50 mesh), 200-lb. bbls., same basis..lb. .40 - —
smaller lots, same basis, lb. .40 - .54

Freight equal'd, shipment identical quantity over standard routes, from N. Y. City, Phila., Midland, Mich., Chicago and St. Louis.

Adipic,[6] fib. dms., works....lb. .26½- —
Aminoacetic, USP (see Glycine).
Anthranilic, resub., bbls....lb. 1.20 - 1.25
tech., bbls.....lb. .95 - —
Arsenous[6] tech. (see Arsenic, White).
USP, powd., dms., kgs....lb. .20 - .22
Ascorbic,[1] USP, dms., 500-kilo lots..kilo.24.50 - —
25-50-kilo lots.....kilo.25.00 - —
10-kilo lots.....kilo.25.35 - —
5-kilo lots.....kilo.25.70 - —
bots., kilo lots.....kilo.26.41 - —
500 grams.....kilo.27.47 - —
Battery, cbys., c.l., E. works, 100 lbs. 1.60 - —
10-25, E. works.....100 lbs. 1.95 - —
1-9, E. works.....100 lbs. 2.55 - —
Benzoic, tech., bbls., 4,000 lbs. or more...lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. up...lb. .54 - —
1,000 to 3,900 lbs. up...lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. up.....lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .59 - .60
Betaoxynaphthoic, bbls., works, lb. .95 - —
Boric,[3] tech., 99.5% cryst. (same as prices for powder), gran., bgs., c.l., frt. alld.. ton.99.00 - —
ton lots, ex whse..ton.111.00 - —
less than ton lots, ex whse..ton.116.00 - —
bbls., c.l., frt. alld..ton.109.00 - —
ton lots, ex whse..ton.121.00 - —
less than ton lots, ex whse..ton.126.00 - —
bulk, frt. alld.....ton.95.50 - —
powd., bgs., c.l., frt. alld., ton.104.00 - —
ton lots, ex whse..ton.116.00 - —
less than ton lots, ex whse..ton.121.00 - —
bbls., c.l., frt. alld..ton.114.00 - —
ton lots, ex whse..ton.126.00 - —
less than ton lots, ex whse..ton.131.00 - —
USP $25 per ton higher.

Acid, butyric, 99%, dms., c.l., works..lb. .29 - —
l.c.l., same basis.....lb. .30 - —
Broeners, bbls.....lb. 1.11 - —
Cacodylic, 5-lb. bots.....lb.22.00 - —
Camphoric, cns.....lb. 6.95 - 7.00
Capric, tech., ret. dms.....lb. .21½- .22
Caprylic, tech., ret. dms...lb. .27 - .27½
Castor oil, split, ret. dms....lb. .20¾- .21¼
Chlorosulphonic, dms., c.l., wks., lb. .03 - —
l.c.l., works .....lb. .03½- .04½
tanks, works .....lb. .02½- —
Chromic,[6] 99½-99¾%, dms., c.l., lb. .17 - —
l.c.l. .....lb. .17½- .19
Cinnamic, refd., bots.....lb. 3.50 Nom.
Citric[1,6] anhyd., gran., dms., c.l..lb. .22½- —
10,000 lbs., 1 ship't..lb. .23 - —
smaller lots .....lb. .23¼- .26½
kgs. .....lb. .24 - —
USP, cryst., gran., bbls., c.l.lb. .20 - —
10,000 lbs., 1 ship't...lb. .20½- —
smaller lots, bbls.....lb. .21 - —
dms. .....lb. .23 - .24
kgs. .....lb. .21½- —
Powd., citric acid, ½c. higher.
Cleve's, bbls. .....lb. .65 - —
Coconut oil,[1] dist., dms.....lb. .15½- .16¾
Corn oil, s.d., dms., c.l., works, lb. .12 - —
Cottonseed oil,[1] s.d., ret. dms., c.l..lb. .12 - .13
tanks, divd.....lb. .11¼- .12¼
Cresylic,[2,6] dom. (coaltar), high-boil 50% (210°-216°), low boil 50% (204°-206°), and special blends, dms., c.l., works, frt. equald..gal. .81 - —
l.c.l., same basis....gal. .83 - —
tanks .....gal. .75 - —
(Petroleum), heavy grade (247°-298°), 20 dms., Cal. ref..gal. .490 - —
Sewaren, N. J., ref..gal. .616 - —
1-19 dms., Cal. ref.....gal. .510 - —
Sewaren, N. J., ref..gal. .636 - —
tanks, divd.....gal. .586 - —
light grade (200°-246°), tanks, Cal. ref..gal. .690 - —
medium grade (220°-246°), 20 dms., Cal. ref..gal. .550 - —
Sewaren, N. J., ref..gal. .636 - —
1-19 dms., Cal. ref....gal. .570 - —
Sewaren, N. J., ref..gal. .696 - —
tanks, divd.....gal. .646 - —
Diethylbarbituric (see Barbital).
F (see Acid, Monosulphonic).
Formic, 85%, cbys., c.l., wks.lb. .10 - —
l.c.l., works.....lb. .10½- .11
90%, cbys., c.l., works.....lb. .10½- —
l.c.l. .....lb. .11 - .11½
Fumaric, tech., bbls., dms...lb. .27 - .31
Gallic, NF V, bbls.....lb. 1.27 - 1.30
fib. dms.....lb. 1.32 - —
technical, bbls.....lb. 1.10 - 1.15
Gamma, bbls.....lb. .85 - —
Gluconic, tech., 50%, bbls., 500 lbs..lb. .12 - —
dmjn. .....lb. .21 - .23
kgs., 100 lbs.....lb. .14 - .15
Glutamic hydrochloride, dms., lb. 2.00 - 2.40
Glycolic (see Hydroxyacetic).
H, bbls.....lb. .45 - —
Hydriodic, 45-47%, cbys.....lb. 2.42 - 2.44
5-lb. bots.....lb. 2.57 - —
57%, bots.....lb. 2.90 - —
Hydrobromic, conc., cbys....lb. .35 - .37
dil., cbys.....lb. .20 - —
Hydrochloric (see Muriatic).
Hydrocyanic, cyls., works....lb. .80 - 1.00
Hydrofluoric, anhyd.,[6] cyls., works..lb. .19 - .19½
tanks, works.....lb. .16 - —
30%, rubber dms., works...lb. .09 - .09
48%, rubber dms., works...lb. .12 - —
52%, rubber dms., works...lb. .12½- —
60%, rubber dms., works...lb. .13½- —
Hydrofluosilicic, 30-35%, bbls.lb. .08 - .09
Hydroxyacetic, 70% tech., bbls., non-return., Phila..lb. .084 - —
tanks, works, basic acid content..lb. .08½- —
Hypophosphorous, USP, djns., lb. .75 - .77
Lactic,[6] edible, 50%, cbys., 20 or more..lb. .12½- —
5 to 19.....lb. .13 - —
1 to 4.....lb. .13½- —
80%, bbls., cbys., 5 or more, lb. .24¼- —
1 to 4.....lb. .24¾- —
plastic grade, 50%, bbls., cbys., 20 or more..lb. .14¼- —
5 to 10 cbys.....lb. .14¾- —
1 to 4 cbys.....lb. .15¼- —
80%, bbls., cbys., 5 cbys..lb. .26 - —
1 to 4 cbys.....lb. .26½- —
tech., dark, 22%, bbls., c.l., works..100 lbs. 2.90 - —
l.c.l., works.....100 lbs. 3.15 - —
cbys., works.....100 lbs. 4.15 - —
44%, bbls., c.l., works.... 100 lbs. 6.30 - —
l.c.l., bbls., works..... 100 lbs. 6.55 - —
cbys., works.....100 lbs. 7.56 - —
light, 22%, bbls., c.l., works, 100 lbs. 3.90 - —
l.c.l., works.....100 lbs. 4.15 - —
cbys., works.....100 lbs. 5.15 - —
44%, bbls., c.l., works.... 100 lbs. 7.30 - —
l.c.l., works.....100 lbs. 7.55 - —
cbys., works.....100 lbs. 8.55 - —
USP XII, 85%, cbys.....lb. .54 - .57
USP VIII, 75% cbys.....lb. .52 - .55
Lauric, dist., 95%, dms.....lb. .28 - —
Laurent's, bbls.....lb. .45 - —
Linseed oil, light, dms.....lb. .21½- .22
Maleic,[6] powd., dms.....lb. .30 - —
anhydride (see M).
Malic, powd., kgs.....lb. .47 - —
Acid, mandelic, USP., dms., 1,000-lb. lots..lb. 2.05 - —
smaller lots .....lb. 2.10 - 2.30
Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric, unit .....lb. .0085- .009
Molybdic, kgs., works.....lb. .95 - 1.10
Monochloroacetic, tech., flakes, 96-97%, dms..lb. .16½- —
purified, flakes, 99%, dms..lb. .20 - —
Monosulphonic, bbls. .....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., 25 and over, E. works..100 lbs. 1.75 - —
10 to 24, works..100 lbs. 1.85 - —
1 to 9, works..100 lbs. 2.45 - —
tanks, works .....100 lbs. 1.05 - —
20°, cbys., c.l., E. works.... 100 lbs. 1.75 - —
tanks, E. works.....ton.22.00 - —
22°, cbys., c.l., E. works.... 100 lbs. 2.25 - —
tanks, E. works.....ton.32.00 - —
CP, USP, consumers, cbys..lb. .08 - —
6-lb. bots. .....lb. .19 - —
dealers, cbys. .....lb. .06½- —
6-lb. bots. .....lb. .17½- —
Myristic, dist., dms.....lb. No stocks.
Naphthenic,[6] 210-220 acidity, dms., extra, works..lb. .10¾- —
tanks, works .....lb. .09 - —
230-245 acidity, dms., extra, works..lb. .12¾- —
tanks, c.l., works.....lb. .12 - —
Nicotinic,[6] USP, dms., 50-kilo lots up..kilo. 7.00 - —
10-kilo lots .....kilo. 7.10 - —
2½-kilo lots .....kilo. 7.20 - —
1-kilo lots .....kilo. 7.30 - —
Nicotinic amide (see Nicotinamide)
Nitric,[6] 36°, cbys.. c.l., E. works..100 lbs. 5.00 - —
l.c.l., 25, E. works.100 lbs. 5.25 - —
10 to 24, works...100 lbs. 5.35 - —
1 to 9, works...100 lbs. 5.95 - —
38°, cbys., c.l., E. works.... 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
40°, cbys., c.l., E. works.... 100 lbs. 6.00 - —
42°, cbys., c.l., E. works.... 100 lbs. 6.50 - —
CP, USP, consumers, cbys..lb. .13 - —
7-lb. bots. .....lb. .23 - —
dealers, cbys. .....lb. .11¼- —
7-lb. bots. .....lb. .21½- —
Oleic (see Oil, red).
Oleum (see Acid, sulphuric, fuming).
Oxalic,[1] bbls., c.l., works....lb. .11¼- —
10,000 lbs. .....lb. .11½- —
smaller lots .....lb. .12¼- —
Palm oil, white, dist., dms..lb. No stocks
tanks .....lb. No stocks.
Para-aminobenzoic, cns. ...lb. 1.40 - —
Paranitrebenzoic, cns. .....lb. .72 - —
Paratoluidinmetasulphonic, bbls., f.o.b. works..lb. .80 - —
Peanut oil,[1] s.d., tanks, works, lb. .11¼- —
Phenylacetic, bots.....lb. 3.00 - —
Phosphoric,[6] pure food grade, 50%, bbls., c.l., works, frt. equald..100 lbs. 4.00 - 4.25
cbys., works, frt. equald, 100 lbs. 4.35 - 4.60
l.c.l., 10 or more, works, frt. alld..100 lbs. 5.25 - 6.25
1 to 9 cbys., works, frt. alld..100 lbs. 6.25 - 7.25
tankwagon, divd. N. Y., Phila. Met. area..100 lbs. 4.00 - —
75%, bbls., c.l., works, frt. equald..100 lbs. 4.75 - 5.00
cbys., works, frt. equald, 100 lbs. 5.10 - 5.35
l.c.l., 10 or more, works, frt. alld..100 lbs. 7.00 - 8.50
1 to 9 cbys., works, frt. alld..100 lbs. 8.00 - 9.50
tankcars, works, frt. equald..100 lbs. 4.00 - 4.25
tankwagon, divd. N. Y., Phila. Met. area..100 lbs. 4.75 - —
USP, 100-lb. cbys., c.l.....lb. .10½- —
10 cbys. to c.l.....lb. .11¼- —
2 to 9 cbys.....lb. .12 - —
single cbys.....lb. .13 - —
70-lb. cbys.....lb. .10½- —
25 cbys. to c.l.....lb. .11¼- —
5 to 24 cbys.....lb. .12 - —
1 to 4 cbys.....lb. .13 - —
10% dilut., cbys., djns....lb. .07 - .07½
Picramic, kgs.....lb. .65 - .70
Picric, bbls.....lb. .35 - —
Propionic,[1] synth., pure, 55-gal. dms., works..lb. .19½- —
tanks, works.....lb. .18½- —
Pyrogallic, tech., bbls.....lb. 1.45 - —
cns. .....lb. 1.63 - —
USP.. cryst., dms.....lb. 2.10 - 2.15
resub., dms.....lb. 2.60 - 2.65
Pyroligneous, bbls., divd. E.gal. .30 - —
Ricinoleic, com'l, split (see Acid, castor oil, split).
Salicylic,[1] tech., bbls., c.l....lb. .26 - —
100 lbs. to c.l.....lb. .33 - —
smaller lots.....lb. .34 - .42
USP, bbls., c.l.....lb. .28 - —
100 lbs. to c.l.....lb. .35 - —
smaller lots.....lb. .36 - .44
Sebacic, tech., dms., works..lb. .55 - .57
Soybean oil,[1] s.d., dms., works, lb. .11¾- .16½
tanks, works.....lb. .11 - .15¾
Stearic,[1] double-press, bgs...lb. .15¾- .16¾
single press, bgs.....lb. .15¾- .16¾
triple press, bgs.....lb. .18¾- .19¾
Succinic, bbls.....lb. .75 - —
Sulphanilic, CP, bots., works.lb. 1.60 - 1.63
tech., dms., works.....lb. .17 - —
Sulphuric,[6] 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l., 25 uj, works.100 lbs. 1.50 - —
10 to 24, works...100 lbs. 1.60 - —
1 to 9, works...100 lbs. 2.20 - —
tanks, E. works.....ton.13.00 - —
66°, cbys., c.l., E. works..... 100 lbs. 1.50 - —
tanks, E. works.....ton.16.50 - —
98°, tanks, works.....ton.17.50 - —
CP, USP, consumers, cbys, extra..lb. .08 - —
9-lb. bots., cs. extra..lb. .10 - —
dealers, cbys. extra.....lb. .06½- —
9-lb. bots., cs. extra..lb. .08½- —
fuming, 20%, tanks, E. works, ton.19.50 - —
Tannic, tech., bbls., dms....lb. .71 - .73
USP, fluffy, bbls., 1,000 lbs.lb. 1.33 - —
smaller lots.....lb. 1.35 - 1.38
powd., bbls., 1,000 lbs....lb. 1.13 - —
smaller lots.....lb. 1.15 - —
Acid, tartaric, USP, cryst., gran., powd., bbls., 10,000 lbs., 1 ship't..lb. .70½- —
smaller lots.....lb. .71 - —
kgs. .....lb. .71½- —
Thioglycolic, basis 100%, highly purified, bbls., cbys..lb. 5.00 - 7.10
Tobias, bbls.....lb. .55 - .60
Trichloroacetic, bots.....lb. 2.00 - 2.50
Tungstic,[6] CP, 100-lb. pkgs..lb. 2.94 - 3.10
pure, 100-lb. kgs.....lb. 2.86 - —
Aconite leaves, bls.....lb. 1.10 - 1.40
Root, bls.....lb. 1.15 - —
Aconitine, amorph., bots.....oz.23.00 -28.00
15-gr. vials.....vial. 1.00 - —
cryst., bots.....oz.42.00 -48.00
15-gr. vials.....vial. 1.60 - —
Acrylonitrile, dms., frt. alld..lb. .30½- —
5,000 lbs. or more, works..lb. .40 - —
1 ton to 4,999 lbs., works...lb. .40½- —
1 dm. to 1 ton, works.....lb. .41 - —
tankcars, frt. alld.....lb. .39 - —
Adeps lanae,[1] USP, anhyd., pharmaceutical, dms., works, lb. .32 - .33
cosmetic, dms., works...lb. .33 - .34

Adeps lanae prices for primary distributors f.o.b. St. Louis, 1c. higher.

Agar .....lb. 3.50 - —
San Diego, Cal. .....lb. 3.00 - —
Agaric, white, bls.....lb. 3.75 - 4.00
Albumen, blood, dark (see Blood, soluble).
light, dms., Chicago.....lb. .65 - .70
egg, edible,[1] powd., bbls....lb. 2.07 - 2.10
granular, cryst. bbls....lb. 2.02 - 2.05
tech., cryst., bbls.....lb. 1.40 - 1.85
Alcohol, allyl, dms., c.l., divd..lb. .29 - —
l.c.l., divd.....lb. .30 - —
tankcars, divd.....lb. .28 - —
Amyl (see also Fusel oil, refd.), ex pentane, dms., c.l., frt. alld. E. of Miss. R..lb. .141 - —
l.c.l., frt. alld.....lb. .151 - —
tanks, frt. alld.....lb. .131 - —
Benzyl, cns. .....lb. .65 - .75
dms. .....lb. .63 - —
Butyl, normal,[1,6] ferment, Ill., Ind., prod., dms. frt. alld. lb. .1830- —
l.c.l., frt. alld. E....lb. .1880- —
tankcars, frt. alld. E..lb. .1730- —
tankwagons, frt. alld. E. lb. .1780- —
other production, dms., c.l., frt. alld. E..lb. .1950- —
l.c.l., frt. alld. E....lb. .2000- —
tanks, frt. alld. E....lb. .1850- —
synthetic, dms., c.l., frt. alld. E..lb. .11¾- —
l.c.l., frt. alld. E....lb. .12¼- —
tanks, frt. alld. E.....lb. .10¾- —

* Normal butyl alcohol prices West, ½c. per lb. higher.

secondary,[6] dms., c.l., frt. paid E. of Miss...lb. .091 - —
l.c.l., same basis.....lb. .096 - —
tanks, same basis.....lb. .085 - —
tertiary, denat., dms., c.l..lb. .125 - —
l.c.l., dms. .....lb. .13 - —
tanks .....lb. .11 - —
Capryl,[6] dms., c.l., works..lb. .17½- —
l.c.l., works .....lb. .18½- —
tanks, works .....lb. .16 - —
Cetyl, dom., CP, fiber ctns., 1,000 lbs..lb. 1.80 - —
smaller lots .....lb. 1.90 - 2.00
Cinnamic, bots.....lb. 4.00 - 4.25
Denatured,[1,3,6] CD14, dms., c.l., works, E..gal. .57 - —
19, dms., works, E....gal. .59 - —
1 to 18 dms., works, E..gal. .62 - —
tanks, E. divd.....gal. .50 - —

tankcar sales require written authorization by Alcohol Tax Unit.

SD1, 190 pf., dms., c.l., E. works..gal. .57 - —
19, dms., E. works..gal. .59 - —
1 to 18 dms., E. works, gal. .62 - —
tanks, E. works.....gal. .50 - —

Anhydrous 3c. per gal. higher.

SD2B, dms., c.l., wks., E.gal. .55 - —
19 dms., works, E...gal. .59 - —
1 to 18 dms., works, E. gal. .60 - —
tanks, E. works.....gal. .48 - —
SD23G (replaced by SD28H).
SD23H, works, c.l., dms..gal. .56½- —
19 dms. .....gal. .58½- —
1 to 18 dms. .....gal. .61½- —
tanks, E. works.....gal. .49½- —
SD29, denatured, with acetaldehyde, dms., c.l., E. works, 1,000 lbs..lb. .56½- —
19 dms. or more, E. works..gal. .60 - —
1 to 16 dms., E. works, gal. .63 - —
tanks, E. works.....gal. .49½- —

When any of the several SD29 denaturants is supplied by the purchaser, the prices are the same as those for SD2B, plus 1½c. per gal. denaturing charge.

Special solvent, dms., c.l., works, E..gal. .58 - —
19 dms. to c.l.....gal. .60 - —
1 to 18 dms.....gal. .63 - —
tanks, E. works.....gal. .51 - —

Tankcar sales require written authorization by Alcohol Tax Unit.

Diacetone,[3,6] acetone-free, dms., c.l., divd..lb. .11¼- .14⅛
l.c.l., divd.....lb. .11¾- .15
tanks, divd.....lb. .10¾- .13⅛
tech., dms., c.l., divd.....lb. .11 - .13½
l.c.l., divd.....lb. .11¼- .14
tanks, divd.....lb. .10 - .12½

Wartime Status of Materials

Applications of WPB and OPA regulations to materials listed in this section are indicated by superior figures as follows:—

[1]—Specific price ceiling

[2]—Price agreement (sellers with OPA)

[3]—General Limitation Order (L order)

[4]—General Preference Order (M order)

[5]—Conservation Order (M order)

[6]—Allocation

Alcohol, ethyl,[6] 190 pf., dms., c.l. gal. 17.67 - —
19 dms. gal. 17.70½ - —
1 to 18 dms. gal. 17.73½ - —
tanks gal. 17.60 - —
absolute, dms., c.l. gal. 18.62 - —
19 dms. gal. 18.65½ - —
1 to 18 dms. gal. 18.68½ - —
tanks gal. 18.55 - —
Ethylhexyl, dms., c.l., works. lb. .24 - —
l.c.l., same basis lb. .25 - —
tanks, same basis lb. .23 - —
Furfuryl, tech., cns., works. lb. .35 - —
dms., c.l., works. lb. .22½ - —
l.c.l., works lb. .25 - —
tanks, works lb. .20 - —
Isoamyl (see Carbinol isobutyl).
Isobutyl,[6] refd., dms., works. lb. .0860- —
tanks, works lb. .0760- —
Isopropyl,[2,6] refd., 91%, dms., 5 gals., dlvd. gal. .66½ - —
55 gals., c.l., dlvd. gal. .39 - —
l.c.l., dlvd. gal. .43½ - —
tanks, frt. alld. gal. .34 - —
99%, dms., 5 gals., dlvd. gal. .65 - —
55 gals., c.l., dlvd. gal. .44 - —
l.c.l., dlvd. gal. .47 - —
tanks, frt. alld. gal. .37½ - —
Methyl (see Methanol).
Octyl (see Alcohol, ethylhexyl).
Phenylethyl, bots., cns. lb. No prices
Polyvinyl, type A, fiber-pack, Niagara Falls. lb. .65 - .70
type B, fiber-pack, same basis, lb. .60 - .63
Tetrahydrofurfuryl, dms., c.l., Waverly, N. Y. lb. .40 - —
l.c.l., same basis lb. .50 - —
cns., Cedar Rapids, Ia. lb. .55 - —
Aldol,[6] dms., works lb. .13 - .15
denat., grd., dms. gal. 1.20 - —
Aletris root, bgs. lb. 2.40 - 2.50
Algin, bbls., fib. dms. lb. .76 - 1.60
Alizarin (see Red, alizarin).
Alkanet root, bgs. lb. No stocks
Allspice,[3] Mexican, bgs. lb. .15¾- .16¼
Aloe, Cape, cs. lb. .29 - .30
Curacao, kgs. lb. .57 - .58
Socotrine, kgs. lb. .55 - .60
Aloin, bbls., dms., kgs. lb. 5.45 - 5.54
Alphanaphthol, bbls. lb. .52 - —
Alphanaphthylamine, bbls. lb. .32 - —
Alphapicoline, ret. dms., works, frt. equald. lb. .23½- .28½
Alphapinene, dms., c.l., wks. gal. .87 - —
l.c.l., works gal. .89 - —
tanks, works gal. .84 - —
Alphaterpineol, dms., c.l., works, lb. .1340- —
l.c.l. lb. .1390- —
tanks lb. .1200- —
Alphatocopherol, amp. gram. 1.00 - 1.10
Althea root, NF, peeled, bls. lb. .55 - .60
Alum, ammonia,[6] burnt, USP, bbls., kgs. lb. .16 - .18
gran., bbls., works. 100 lbs. 4.00 - —
dlvd., N. Y., Phil. 100 lbs. 4.00 - —
lump, bbls., works. 100 lbs. 4.25 - —
dlvd., N. Y., Phil. 100 lbs. 4.25 - —
powd., bbls., works. 100 lbs. 4.40 - —
dlvd., N. Y., Phil. 100 lbs. 4.40 - —
Potash, gran., bbls., wks. 100 lbs. 4.25 - —
dlvd., N. Y., Phil. 100 lbs. 4.25 - —
lump, bbls., works. 100 lbs. 4.50 - —
dlvd., N. Y., Phil. 100 lbs. 4.50 - —
powd., bbls., works. 100 lbs. 4.65 - —
dlvd., N. Y., Phil. 100 lbs. 4.65 - —
Potash-chrome, bbls. lb. .12½- .15
Soda, bbls., c.l., works. 100 lbs. 3.25 - —
l.c.l., dlvd. 100 lbs. 4.25 - 5.00
Alumina, ground, classified, grade, kgs., works. lb. .35 - .67
top grade, ground, kgs., works, lb. .60 - .67
unclassified, ground, kgs., works. lb. .10½- .46
Acetate, basic solut., 24%, bbls., dlvd. lb. .10½- .11
solut., 20%, bbls., dlvd. lb. .09½- .10
Chloride, anhyd.,[6] com'l, bulk, c.l., works. lb. .08 - .11
l.c.l., works. lb. .09 - .12
cryst., com'l, dms., c.l., works, lb. .06 - —
l.c.l., works lb. .06½- .06¾
solut., 32 deg., cbys., c.l., works. lb. .02¾- —
l.c.l., works lb. .03¼- —
Fluoride, tech., bbls. lb. .25 - —
Formate, solut., 12-20° Be, bbls., c.l., works. lb. .09½- —
l.c.l., works lb. .10 - —
Hydrate,[6] heavy, bgs., c.l., works. lb. .024 - .031
bbls., c.l., works. lb. .027 - .034
l.c.l., works lb. .04 - —
light, bgs., dlvd. lb. .14½- —
bbls., dlvd. lb. .15 - —
Hydroxide, gel, tech., min. 15% AlO_3, dms., 10,000 lbs. or more, f.o.b. ship't point. lb. .03 - .03¼
ton lots, same basis. lb. .03 - .03¼
smaller lots, same basis, lb. .03¾- .04
USP purity, conc., 9-9½% Al_2O_3, fib. dms., works, lb. .17¾- —
contract, works. lb. .16¾- —
14-15% Al_2O_3, fib. dms., works. lb. .20¾- —
contract, works. lb. .19¾- —
dried, USP XII, fib. dms., works. lb. .78 - —
contract, works. lb. .75 - —
powder, tech. (see Alumina hydrate).
USP IX, bbls., dms. lb. .15 - .17
Laurate, prec. bbls. lb. .25 - .26
Naphthenate, 1.7%, Al, 50-gal dms., works. lb. 18¾- —
Oleate, dms., contract. lb. .24½- —
Resinate, precip., dms. lb. .15½- —
Stearate, precip., bbls., c.l. lb. .23 - —
l.c.l. lb. .24 - —
Sulphate, com'l, bgs., c.l., works, frt equald. 100 lbs. 1.15 - 1.25
l.c.l., works, frt. equald., 100 lbs. 1.40 - 1.50
bbls., c.l., works, frt. equald. 100 lbs. 1.35 - 1.45
l.c.l., works, frt. equald. 100 lbs. 1.60 - 1.70
iron-free, bgs., c.l., works., 100 lbs. 1.85 - —
l.c.l., works. 100 lbs. 2.10 - —
trihydrate, heavy bgs., wks., lb. .024 - .035
Aluminum, 98-99%,[2,3,4,6] c.l. lb. .15 - —
l.c.l. lb. .15 - .16
Paste, lining, extra fine, 200-dm. lb. .56 - .60
ink, 150-lb. dm. lb. .71 - —
standard, 200-lb. dm. lb. .33 - —
Powder, lining, extra fine, 150-dm. lb. .93 - —
litho, 159-lb. dm. lb. .57 - —
standard, 200-lb dm. lb. .59 - —
rubber comp., 200-lb. dm. lb. .40 - —
unpolished, stand., dms. lb. .36 - —
varnish, stand., 300-lb. dm. lb. .40 - —

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100 lb. dm., 1½c. for 50-lb. dm., 3c. per lb. for 10-lb. can, and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,000 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier, transportation rate will be made from sellers' invoice on orders of 200 lbs. or over.

Ambergris, gray, tins. oz. 13.50 -14.00

Aminomethylpropanol, cns., dms., works. lb. .50 - .60
Aminopyrine, bots., dms. lb. 4.00 - 4.40
Ammonia,[6] anhydrous, fertilizer, tankcars, works, frt. equald. ton. 59.00 - —
refrigeration, tanks, wks. ton. 69.00 - —
pure, cyls. lb. .14½- —
Aqua, 26°, cbys. lb. .05¼- —
dms., c.l. lb. .02¾- —
l.c.l. lb. .02¼- —
tanks, works (NH_3 content). ton. 65.00 - —
Benzoate, USP, dms., kgs., 4,000 lbs. up, frt. alld. lb. .43 - —
smaller lots, frt. alld. lb. .44 - .47
Bicarbonate, dms., c.l. lb. .0564- —
Bichromate, bbls. lb. .23 - .25
Bifluoride, bbls. lb. .15 - .15½
Borate, gran., bbls., kgs. lb. .1080- —
powd., bbls., kgs. lb. .1130- —
Bromide, NF, bbls. lb. .28 - —
dms. lb. .29 - —
Carbonate, USP, lump, dms. lb. .08¼- .09¼
cns. lb. .14¼- .17¼
powdered, 1c. per lb. higher.
Chloride, tech. (see Ammoniac, sal).
USP, gran., bbls., dms., kgs. lb. .13 - .15
Citrate, dibasic, bbls. lb. .75 - —
dms. lb. .80 - .85
Fluoride,[6] bbls. lb. .18 - .20
Hydroxide (see Ammonia, aqua).
Hypophosphite, NF, dms. lb. 1.25 - 1.27
jars lb. 1.30 - 1.35
Iodide, NF, bots. lb. 3.71 - —
jars lb. 3.65 - —
Linoleate, 80%, anhyd., bbls. lb. .12 - —
Molybdate,[6] c.p., cryst., kgs. lb. 1.26 - 1.28
fine cryst., bbls., kgs. lb. .84 - .87
purified, dms. lb. 1.10 - 1.12
Nitrate,[1,6] fertilizer grade, Canadian, 32.5% nitrogen, bgs., same N unit price, delivered, as Ammonia sulphate, domestic, bgs., c.l., shipping points. ton. 50.00 - —
bulk, same basis. ton. 46.00 - —
tech, bgs., works. 100 lbs. 4.35 - 8.50
bbls., works. 100 lbs. 4.55 - —
Nitrate-Limestone, 20.5% N, bgs., Hopewell, Va. ton. 32.50 - —
Oleate, dms. lb. .14 - —
Oxalate, purif., gran., bbls., kgs. lb. .27 - .33
Perchlorate,[6] kgs. lb. No stocks
Persulphate, kgs. lb. .25½- .28½
Phosphate, dibasic, NF V, bbls., kgs. lb. .37 - .39
tech., bbls., c.l. lb. .07¼- —
l.c.l. lb. .08 - .08½
monobasic, pure, bbls. lb. .40 - .45
tech., bbls., c.l. lb. .07¼- —
l.c.l. lb. .08 - .08¼
Salicylate, NF, dms., kgs. lb. 1.15 - 1.18
Silicofluoride,[6] bbls. lb. .15 - .18
Stearate, anhydrous, dms. lb. .34 - —
paste, dms. lb. .08½- —
Sulphamate, bbls., works. lb. .18 - .24
Sulphate,[1,6] dms., bulk, inland producing ovens. ton. 28.20 - —
Atlantic coast ports. ton. 29.20 - —
Sulphide, liquid, 40-45%, basis 100%, dms., c.l., works. lb. .07½- —
l.c.l., dlvd. lb. .15 - —
tanks, dlvd. lb. .07½- —
red, 48%, cbys., works. lb. .08 - —
dms., works lb. .06 - —
yellow, 33%, cbys., works. lb. .08 - —
dms., works lb. .06 - —
Sulphocyanide, CP, bbls. lb. .55 - —
jars lb. .97 - —
tech., bbls. lb. .17 - .19
Thioglycollate, basis 100%, highly purified, bbls. lb. 7.10 - 8.25

Ammoniac gum (see Gum, ammoniac).
Sal, gray, bbls., c.l., works, 100 lbs. 5.50 - 5.75
l.c.l., same basis. 100 lbs. 6.00 - 6.70
white, gran., bbls., c.l., works, 100 lbs. 4.45 - —
l.c.l., same basis. 100 lbs. 5.15 - —

Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd. lb. .12½- .16⅓
l.c.l., dlvd. lb. .13 - .19
tanks, dlvd. lb. .11½- .17½
ex-pentane, dms., c.l., frt. alld. E. of Miss. R. lb. .15½- —
l.c.l., same basis. lb. .16½- —
tanks, same basis. lb. .14½- —
Alcohol (see Alcohol, amyl).
Butyrate, dms. lb. .90 - 1.00
Caproate, dms. lb. 2.75 - —
Chloride, mixed, tech., dms., c.l., works. lb. .07 - —
l.c.l., works lb. .08 - —
tanks, works lb. .06 - —
Ether, dms., c.l., works. lb. .09½- —
l.c.l., works lb. .102 - —
tanks, works lb. .08½- —
Nitrite, USP, bots. lb. 1.72 - 1.80
Mercaptan, dms., works. lb. 1.10 - —
Salicylate, bots. lb. .75 - 1.00
Stearate, dms., works. lb. .42 - —
Amylene, dms., c.l., works. lb. .10½- —
l.c.l., works lb. .11 - —
tanks, works lb. .09 - —
Amylnaphthalene, mixed, crude, dms., works. lb. .14 - —
refd., dms., works. lb. .16 - —
Anethol, com'l, dms., works. lb. .657 - .662
NF, dms. lb. 2.60 - 3.00
Angelica atropurpurea root, dms., lbs. lb. .80 - 1.35
Angostura bark, bls. lb. .21 - .22
Anilin[6] oil, dms., c.l., works, frt. alld. lb. .11½- —
l.c.l., works, frt. alld. lb. .12½- —
tanks, works, frt. alld. lb. .10½- —
Salt, dms., works. lb. .22 - .24
Anise,[1] Cyprus, bgs. lb. .28½ Nom.
Bulgarian, bgs. lb. No stocks
Mexican, recleaned, bgs. lb. .16½- .17
Syrian, bgs. lb. .19 - .20
Turkish, bgs. lb. No stocks.
Anisic aldehyde, bots. lb. 3.25 - 3.35
Annatto,[6] paste, bxs. lb. .34 - .39
Seed, bgs. lb. .09½- —
Anthracene, 80-85%, bbls., works, lb. .55 - —
90%, bbls., works. lb. .65 - —
Anthraquinone, 99.5%, bbls. lb. .70 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys. lb. .17 - —
Metal,[1,6] bulk, c.l., works. lb. .14½- .17½
Antimony, needle, [1,6] Bolivian, brown, 67%, cs. lb. .18½- —
Chinese, black, 70%, cs. lb. .20 - .22
Oxide,[1] ceramic grade, bgs., c.l. lb. .15 - —
l.c.l. lb. .15½- —
paint grade, c.l. lb. .14¾- —
l.c.l. lb. .16¾- —
Salt,[1,6] 65%, bbls., dlvd. E. of Miss. River. lb. .40 - —
Sulphide,[1,6] 65-70%, bbls., c.l., works. lb. .17 - —
l.c.l., works lb. .17½- —
Antipyrine, bbls., kgs., ton. lb. 2.00 - —
smaller lots lb. 2.10 - 2.20
Apomorphine, bots. oz. 23.20 -23.70
Apple Syrup,[1] bbls. lb. .14 - .16
Archil extract, bbls. lb. No stocks.
Areca nuts, powd., bbls. lb. .23 - .24
Arecoline hydrobromide, bots. oz. 6.10 - 7.10
Argois, min. 70%, bgs., Argentine port, 100 kilos, 100% purity. 70.00 -72.00
Arnica flowers, bls. lb. 2.35 - 2.45
Arrowroot, powd., bgs., bbls. lb. .10 - .10¾
Arsenic,[6] metal, lump, c.l. No prices.
Chloride (arsenous), bots. lb. 1.55 - —
Iodide (arsenous), 5-lb. bots. lb. 5.58 - —
jars lb. 5.43 - —

Arsenic, sulphide, yellow, bbls. lb. No stocks
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l. lb. .04 - —
l.c.l. lb. .04¾- —
Asafetida, cs. lb. .45 - .68
powd., bbls., dms. lb. .55 - .82
Asbestine (see Talc, N. Y. fibrous).
Asbestos fiber, 5D and 5K, bgs., c.l. (20 tons), Cana. mines. ton. 49.50 - —
5R, bgs., same basis. ton. 44.60 - —
6D, bgs., same basis. ton. 33.00 - —
7D, bgs., same basis. ton. 28.50 - —
7F, bgs., same basis. ton. 26.50 - —
7H, bgs., same basis. ton. 22.50 - —
7K, bgs., same basis. ton. 19.00 - —
7M, bgs., same basis. ton. 16.50 - —
7R, bgs., same basis. ton. 15.50 - —
Asphaltum, Barbados, Dunellen, N. J. lb. .10½ - —
California, dms., c.l. ton. 36.40 - —
l.c.l. ton. 41.40 - —
Cuba A, bulk, c.l., N.Y. ton. 60.00 - —
l.c.l., same basis. ton. 90.00 - —
B, bulk, c.l., N. Y. ton. 38.50 - —
l.c.l., same basis. ton. 55.00 - —
Egyptian, substitutes, bgs., l.c.l., refinery N. J. or Ill. lb. .08 - —
Gilsonite, brilliant black, selects, 340°F, fusing point, bgs., mines. ton. 32.20 - —
290-295°F, fusing point, bgs., mines. ton. 30.50 - —
270°F. fusing point, bgs., mines. ton. 30.50 - —
seconds, 370-390°F. fusing point, not uniform, bgs., mines. ton. 26.50 - —
300-330°F. fusing point, not uniform, bgs., mines. ton. 25.50 - —
jet, bgs., ton lots, gross weight, Colo. mines. ton. 30.50 - —
Manjak No. 10, crude, dms., works. lb. .05½- .12
process form, bgs., wks. lb. .05¾- .13
jet, bgs., 2,000 lbs., gross weight Colo. mines. ton. 30.50 - —
Mexican, ref'd, dms., c.l., Texas ref'y. ton. 21.00 - —
l.c.l., same basis. ton. 21.00 -23.00
tanks, same basis. ton. 16.00 - —
Atropine, bots. oz. 7.85 - —
Sulphate, bots. oz. 5.90 - 6.00

B

Balm of Gilead buds, bgs. lb. 1.05 - 1.15
Barbasco root,[2,6] (see Cube root).
Barberry, root bark, bgs. lb. .90 - .95
Barbital, dms. lb. 3.50 - 3.60
sodium, dms. lb. 3.75 - —
Barium[6] carbonate, natural, 90% thru 200 mesh, bgs., c.l., works. ton. 43.00 - —
precip., bgs., c.l., works. ton. 60.00 -70.00
l.c.l., works. ton. 65.00 -75.00
bbls., c.l., works. ton. 65.00 -75.00
l.c.l., works. ton. 70.00 -80.00
Chlorate,[6] kgs., works. lb. .27½- .31
Chloride, CP, cryst., bbls. lb. .25 - .27
pure, bbls., kgs. lb. .10 - .12
tech., cryst.,[6] bgs., c.l., works. ton. 73.00 - —
l.c.l., same basis. ton. 78.00 - —
bbls., c.l., same basis. ton. 75.00 - —
l.c.l., same basis. ton. 80.00 - —
Dioxide, dms., c.l., works. lb. .10 - —
l.c.l. works. lb. .12 - .13
Fluoride, bbls. lb. .18 Nom.
Hydrate (see Hydroxide).
Hydroxide, bbls., works. lb. .06 - .07
Iodide, bots. lb. 4.62 - 4.82
Monoxide (see Oxide).
Nitrate, bbls., c.l., works. lb. .09½- .11½
l.c.l., works. lb. .10 - .11½
Oxide, dms., c.l., works. lb. .08 - —
l.c.l., same basis. lb. .10 - .12
grd., dms., l.c.l., works. lb. .11 - .15
Peroxide (see Dioxide).
Silicofluoride, bbls. lb. .17 - .19
Stearate, ctns., 1 ton up. lb. .31 - —
smaller lots. lb. .32 - —
Sulphate, tech. (see Barytes, and Blanc fixe).
X-ray, bbls. lb. .09½- .10
kgs. lb. .12 - —
Barytes, floated, bbls., c.l., St. Louis. ton. 27.65 - —
l.c.l., same basis. ton. 28.65 - —
ex whse., N. Y. ton. 36.00 - —
paper bags, c.l., St. Louis. ton. 25.35 - —
l.c.l., same basis. ton. 26.35 - —
ex whse., N. Y. ton. 34.00 - —
Southern, off-color, bgs., mines. ton. 17.50 - —
96.75%, bgs., mines. ton. 18.00 - —
Barytes ore, approx. 94% $BaSO_4$, bulk, mines. ton. 8.50 - —
Bauxite, blk, mines. ton. 7.00 10.00
Bay leaves (see Laurel leaves).
Barberry bark, bgs. lb. .12 - .13
Belladonna leaves, bls. lb. .90 - .95
Root, bls. lb. 1.50 - 1.55
Bentonite, 200 mesh, bgs., works. ton. 11.00 - —
325 mesh, bgs., works. ton. 16.00 - —
Benzaldehyde,[6] NF, dms. lb. .85 - 1.25
tech., cbys., dms. lb. .45 - .55
Benzene (see Benzol).
Benzidin base, bbls. lb. .76 - —
Benzocaine, cns. lb. 3.20 - 3.55
Benzol,[6] (benzene), pure, nitration and 90%, dms., works, gal. .20 - —
tankcars, E. of Omaha, frt. alld. up to 2c. per gal. gal. .15 - —
W. Coast f.o.b. Minnequa, Colo. gal. .15 - —
Benzophenone, dms. lb. 1.15 - 1.20
Benzoyl chloride, cbys. lb. .26 - .28
Peroxide, pure, gran., fib. ctns., works. lb. 1.95 - —
Benzyl acetate, f.f.c., cns. lb. .59 Nom.
dms. lb. .55 - —
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.a., f.f.c., dms. lb. 1.00 - 1.10
Chloride, cbys., frt. equald. lb. .22 - .24
Cinnamate, cns. lb. 5.15 - 5.50
Formate, cns. lb. 3.00 - 3.50
Isoeugenol, bots. lb. 9.50 - —
Propionate, bots. lb. 1.85 - 2.50
Salicylate, bots. lb. 1.90 - 2.15
Benzylidinacetone, bots. lb. 2.00 - 2.50
Berberine bisulphate, cns. lb. No stocks
Hydrochloride, bots. lb. No stocks
Sulphate, cns. lb. No stocks
Berberis root, bls. lb. .28 - .30
Betanaphthol, resublimed, dms., works. lb. .55 - .60
tech., bbls., c.l., works. lb. .23 - —
l.c.l., works. lb. .24 - —
Benzoate, fib. dms., works. lb. 1.75 - —
Salicylate, dms. lb. 5.00 - —
Betanaphthylamine, tech., works. lb. .51 - —
Betapicoline, 90%, ret. dms., c.l., wks. lb. 1.60 - —
l.c.l., same basis. lb. 1.85 - —
95%, same basis. lb. 2.05 - —
98-99%, same basis. lb. 2.20 - —
Beth root bls. lb. .43 - .44
Bismuth[6] chloride, bots. lb. 3.00 - —
jars lb. 2.85 - —
Citrate, USP VIII, bots. lb. 2.81 - 2.86
jars lb. 2.75 - —
Hydroxide, bots. lb. 3.41 - 3.46
cns. lb. 3.35 - —
Metal, ton lots. lb. 1.25 - —
Bismuth nitrate, cryst., bots. lb. 1.41 - 1.46
cns. lb. 1.39 - —
Oxychloride, bots. lb. 3.14 - 3.19
cns., dms., kgs. lb. 3.10 - —
Subbenzoate, bots. lb. 3.51 - —
fib. dms. lb. 3.40 - —
Subcarbonate, USP, bbls., dms. lb. 1.50 - 1.53
bots., cns. lb. 1.59 - 1.66
X-ray, 5-lb. bots. lb. 2.79 - —
fib. dms. lb. 2.73 - —
Subgallate, NF, bots., cns. lb. 1.49 - 1.55
fib. dms. lb. 1.40 - 1.45
Subiodide, bots. lb. 4.19 - 4.35
fib. dms. lb. 4.13 - —
Subnitrate, USP, powd., bbls., dms. lb. 1.20 - 1.23
bots. lb. 1.29 - 1.33
Subsalicylate, USP, 62-66%, bbls., fib. dms. lb. 2.50 - —
5-lb. cns. lb. 2.54 - 2.59
Sulphocarbolate, bots. lb. 3.71 - 3.74
fib. dms. lb. 3.65 - —
Bismuth-ammonia citrate, USP, powd., dms. lb. 3.40 - —
cns. lb. 3.45 - 3.50
Bisphenol-A, bgs., c.l., works. lb. .22 - —
l.c.l., works. lb. .23 - —
Black, acetylene,[3] bgs., c.l., works. lb. .14 - —
l.c.l., same basis. lb. .18 - —
Bone 1A, bgs., bbls., c.l., frt. alld. E. lb. .17 - —
2, bgs., bbls., c.l., same basis, lb. .12 - —
3, bgs., bbls., c.l., same basis, lb. .11 - —
4 bgs., bbls., c.l., same basis, lb. .08½- —
400A, bgs., bbls., c.l., same basis. lb. .08½- —
457, bgs., bbls., c.l., same basis. lb. .11½- —
Bone black l.c.l. prices are ½c. higher than c.l. Pacific coast, ex dock, or whse., prices are 1½c. higher.
Carbon,[6] heads, compressed, bgs., c.l., works. lb. .03560- —
bgs., ctns., l.c.l., dlvd. or whse. lb. .07½- —
regular, uncompressed, bgs., c.l., works. lb. .03625- —
bgs., ctns., l.c.l., dlvd. or whse. lb. .06 - —
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, pure, bbls., l.c.l., works. lb. .08½- —
Lamp, 1, ctns., works. lb. .08½- —
l.c.l., works. lb. .09 - —
2, ctns., c.l., works. lb. .10 - —
l.c.l., works. lb. .11 - —
2A, ctns., c.l., works. lb. .12 - —
l.c.l., works. lb. .13½- —
3, ctns., c.l., works. lb. .14¾- —
l.c.l., works. lb. .15¾- —
4, ctns., c.l., works. lb. .16½- —
l.c.l., works. lb. .17½- —
5, ctns., c.l., works. lb. .20 - —
l.c.l., works. lb. .20 - —
6, ctns., c.l., works. lb. .26½- —
l.c.l., works. lb. .27½- —
7, ctns., c.l., works. lb. .37½- —
l.c.l., works. lb. .38½- —
Mineral, vine type, bbls., l.c.l., works. lb. .04¾- —
Vine A, bbls. lb. .04½- .06
B, bbls. lb. .05¾- —
kegs lb. .06 - —
Black dyes (see Dyes).
Black haw root bark, bls. lb. .90 - .95
Tree bark, bls. lb. .40 - .50
Black Indian hemp root, bls. lb. .50 - .55
Blanc fixe, dry, by-product, bgs., c.l., works. ton. 60.00 - —
l.c.l., works. ton. 67.50 - —
direct process, bags, c.l., works. ton. 70.00 - —
l.c.l., works. ton. 75.00 - —
bbls., c.l., works. ton. 75.00 - —
l.c.l., works. ton. 80.00 - —
pulp, 66¾%, bbls., c.l., works. ton. 40.00 - —
l.c.l., same basis. ton. 46.50 - —
Bleaching powder,[2] dms., c.l., works. 100 lbs. 2.50 - 3.10
l.c.l., works. 100 lbs. 2.75 - 3.60
Blood,[1] dried, 16-16½% ammon., bgs., unit-ton. 5.53 - —
high-grade, unground, 16-17% ammon., bulk, Chicago, unit-ton. 5.53 - —
soluble, bgs., c.l., Chicago. lb. .13½- —
smaller lots, Chicago. lb. .15 - .20
Bloodroot, bls. lb. .70 - .80
Blue,[1] alkali, dry, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis. lb. 1.75 - —
toner, bbls., same basis. lb. .85 - .90
Celestial, bbls., same basis. lb. .10 - .12
Chinese, bbls., same basis. lb. .36 - —
Cobalt,[6] genuine, bbls., same basis. lb. 4.90 - —
Imitation (see Blue, ultramarine).
Copper phthalocyanin, full strength, bbls., same basis. lb. 3.50 - 3.75
80%, bbls., same basis. lb. 3.00 - —
green shade, bbls., same basis. lb. 4.50 - 4.70
Iron (see Blue, Chinese, Milori, Potash, Prussian, and Soda).
Milori, bbls., same basis. lb. .36 - —
Molybdated, Victoria, same basis. lb. 3.15 - —
Peacock, fugitive, 100% color strength, same basis. lb. .52 - —
permanent, toner, green shade, molybdic. lb. 3.50 - —
tungstic lb. 4.00 - —
Potash, CP, bbls., same basis, lb. .42 - —
Prussian, bbls., same basis. lb. .36 - —
soluble, bbls., same basis. lb. .36 - —
Soda, CP, bronze, bbls., same basis. lb. .36 - —
Ultramarine, dry or pulp, cobalt grades, bbls., same basis. lb. .23 - .27
job grades, bbls., same basis, lb. .12 - .13
reg. grades, bbls., same basis, lb. .17 - .27
Victoria, toner, molybdic, bbls., lb. 3.15 - —
tungstic, bbls. lb. 3.30 - —
ink toner, bbls., same basis, lb. 1.83 - —
syn. vehicle, bbls., same basis. lb. 1.93 - —
Violet, toner, molybdic, kgs., same basis. lb. 1.25 - —
tungstic, kgs., same basis. lb. 2.10 - —

Blue dry colors, divd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1½c.); Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph: 1.6c. higher. Pac. Coast; Denver, Pueblo, Salt Lake City, Wichita, frt. equalized with Chicago.

Blue dyes are listed under Dyes.

Blueflag root, bls. lb. .50 - .55
Blue mass, NF, cns., tubs. lb. 1.56 - 1.75
powd., bots., cns., dms. lb. 1.61 - 1.75
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).

OPD—3-5-1945

Glucose

We have imported corn syrup in stock for immediate delivery.

This glucose is now available in bond ex-warehouse New Orleans or duty paid f.o.b. Philadelphia.

It is a 43/45° Bé syrup of U. S. P. quality packed in barrels of about 660 pounds each.

Carload quantities are on hand to provide for your needs created by the present emergency.

Don't shut down because of the sugar shortage. Hold glucose at New Orleans in bonded warehouse and pay the import duty when you are ready to use it.

WILLIAM D. NEUBERG COMPANY

Chemicals

GRAYBAR BUILDING • 420 LEXINGTON AVE • NEW YORK 17, N. Y.

TELEPHONE LEXINGTON 2-3324

Bone, raw, bulk, Chicago....ton.57.00 -65.00
junk, bulk, same basis...ton.35.00 - —
meal, 4½% ammon., 50% phos., bgs., E. works..ton.37.50 - —
Chicago, works.....ton.39.50 - —
steamed, feeding grade, 1% ammon., 60% phos., bgs., E. works..ton.48.50 - —
Chicago, works.....ton.50.00 - —
fertilizer grade, 3% ammon., 50% phos., bgs., E. works..ton.38.50 - —
Chicago, works.....ton.36.00 - —
Precipitated (see Calcium phosphate tribasic, precip.).
Phosphate, defluorinated (see D).
Boneset leaves, bls.....lb. .14 - .15
Borage flowers, bls.....lb. .55 - .60
Borax,[3] tech., 99½% gran., bulk, c.l., frt. alld..ton.41.50 - —
bgs., c.l., frt. alld....ton.45.00 - —
ton lots, ex whse....ton.56.00 - —
less ton lots, ex whse.ton.61.00 - —
bbls., c.l., frt. alld...ton.65.00 - —
ton lots, ex whse....ton.66.00 - —
less ton lots, ex whse.ton.71.00 - —
powd., bgs., c.l., frt. alld..ton.50.00 - —
ton lots, ex whse....ton.61.00 - —
less ton lots, ex whse.ton.66.00 - —
bbls., c.l., frt. alld...ton.60.00 - —
ton lots, ex whse....ton.71.00 - —
less ton lots, ex whse.ton.76.00 - —
USP, $15 per ton higher.
Bordeaux mixt., dms., c.l., whse., works, frt. alld..lb. .11 - —
l.c.l., same basis.....lb. .11½- —
Bornyl thiocyanoacetate (see Isobornyl thiocyanoacetate).
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purified, cs., c.l....lb. .21 - —
1,000 lbs., frt. alld. E. of Rockies..lb. .22 - —
single pkgs., same basis..lb. .28 - —
Bromoform, USP, bots.....lb. 1.50 - —
cbys.....lb. 1.42 - —
Bromstyrol.....lb. 4.30 - 5.00

Bronze powder, aluminum (see A).
gold, litho., cns., dms., works, lb. .60 - .65
moulding, cns., dms., same basis..lb. .90 - 1.00
printing ink, cns., dms., same basis..lb. .85 - 1.20
radiator, cns., dms., same basis..lb. .45 - .50
Broomtop, bls.....lb. .13 - .16
Brown,[3] iron-oxide, pure, precip., cks., works..lb. .12 - —
metallic, bbls., c.l., works..lb. 02½- —
Sap, crystals, works.....lb. .12 - —
powdered.....lb. .13 - —
Sienna, burnt, American, bbls., works..lb. .03¾- .05
pap. bgs., c.l., same basis. lb. .0235- —
Italian type, bbls., works.lb. .03¾- .10¾
raw, American, bbls., works.lb. .04 - .10
Italian type, bbls., works.lb. .08 - .10
Umber, American, bbls., works. lb. .03¾- —
Italian type, bbls., works.lb. .04¾- —
Turkey-type, bbls., l.c.l., f.o.b. Boston, Bethlehem, Easton, Pa.; N. Y....lb. .04¾- —
St. Louis, Chicago, Indianapolis, New Orleans.. lb. .05¼- —
Minneapolis .....lb. .0535- —
Pittsburgh .....lb. .05 - —
ex car, Los Angeles.lb. .05¾- —
Portland, San Francisco, Seattle..lb. .05½- —
ex whse., Los Angeles.lb. .05¾- —
Portland, San Francisco, Seattle..lb. .05¾- —
Vandyke, reg., bbls., works...lb. .09 - —
special, bbls., same basis..lb. 12 - —
Brucine, 100-oz. cns.....oz. .35 - —
Sulphate, 100-oz. cns.....oz. .30 - —
Bryonia root, bls.....lb. .60 - .65
Buchu leaves, bls.....lb. .80 - .85
Buckthorn bark, bls.....lb. .70 - .72
Berries, bgs.....lb. .60 - .70

Burdock root, bls.....lb. .30 - .32
Burgundy pitch, dms.....lb. .06 - —
Butane,[1] indust., tanks, Group 3. gal. .03½- —
Butyl acetate, normal,[1,6] ferment, Ill., Ind., prod., dms., c.l., frt. alld. E. of Miss. R. lb. .1790- —
l.c.l., frt. same basis. lb. .1840- —
tanks, same basis.....lb. .1690- —
other production, dms., c.l., same basis..lb. .1900- —
l.c.l., same basis....lb. .1950- —
tanks, same basis.....lb. .1800- —
synthetic, dms., c.l., same basis..lb. .11¾- —
l.c.l., same basis....lb. .1950- —
tanks, same basis.....lb. .10¾- —
secondary,[1,6] dms., c.l., dlvd. E. of Miss. R..lb. .09¾- —
l.c.l., same basis.....lb. .10 - —
tanks, same basis.....lb. .08½- —
Normal butyl acetate, W. of Miss. R., ½c. per lb. higher.
Alcohol (see Alcohol, butyl).
Aldehyde, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Chloride, normal, dms., c.l., works..lb. .32 - —
l.c.l., works.....lb. .35 - —
Ether (see Ether, butyl).
Lactate, dms., works.....lb. .26½- —
Laurate, dms., works.....lb. .42 - —
Myristate, dms., works.....lb. .41 - —
Oleate, ref., dms., l.c.l., works. lb. .35 - —
tech., dms., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .24½- .25½
Phenylacetate, dms.....lb. 2.00 - 2.25
Phthalate (see Dibutyl Phthalate).
Proprionate, dms., dlvd.....lb. .16¼- .17
tanks.....lb. .15½- —
Stearate, dms.....lb. .31 - .31½
Butyric ether, bots.....gal. 6.50 - 6.95
cns., works.....lb. .65 - .70
dms., works.....lb. .60 - —

C

Cadmium bromide,[6] bots.....lb. 1.84 - 1.91
jars.....lb. 1.65 - 1.70
Iodide,[6] bots.....lb. 4.23 - —
cns.....lb. 4.09 - —
Lithopone (see Yellow).
Metal,[1,6] pat. shapes, cs., dlvd., lb. .95 - —
Ingots or sticks.....lb. .90 - —
Selenide (see Red).
Sulphide(see Yellow).
Caffeine,[1,6] dms., makers primary distrib., 100 lbs. or more..lb. 2.80 - 2.88
25 to 100 lbs.....lb. 2.95 - 3.10
smaller lots.....lb. 3.15 - 3.25
anhydrous, dms., 100 lbs. or more..lb. 3.00 - 3.06
25 to 100 lbs.....lb. 3.15 - 3.80
smaller lots.....lb. 3.35 - 3.46
Citrated, dms., makers primary distrib., 100 lbs. or more, lb. 1.95 - —
smaller lots.....lb. 2.05 - 2.30
Hydrobromide, bots.....lb. 5.29 - 5.37
Calabar beans, bgs.....lb. .30 - .35
Calamus root, dom., bls.....lb. .40 - .45
Calcium acetate, bgs., dlvd..... 100 lbs. 3.00 - 4.00
Arsenate, bgs., c.l., whse., works, frt. alld..lb. .07¼- .08
l.c.l., same basis.....lb. .08 - .08½
Bromide, jars.....lb. .65 - .70
Carbide,[1,6] dms., c.l., works, ton.50.00 - —
dlvd.....ton.87.00 -90.00
Carbonate (see Chalk and Whiting).
Chloride, flake, 77-80%, paper bgs., c.l., dlvd.ton.18.50 -35.00
l.c.l., 15 tons, dlvd..ton.21.50 -25.50
5-ton lots.....ton.28.50 -41.00
liquor, basis 40%, tanks, wks., ton. 7.50 - —
purified, cryst., bbls., jars.lb. .28 - .39
solid, 73-75%, dms., c.l., dlvd., ton.18.00 -31.50
l.c.l., 15 tons, dlvd..ton.21.45 -25.45
5-ton lots.....ton.24.85 -40.95
Calcium chloride prices vary according to zone min. prices, spot. C.l. prices for flake in burlap paper-lined bags, $2.50 per ton over paper bags; drums, $3.50 per ton over paper bags.
Gluconate, USP, gran., bbls..lb. .52 - —
dms.....lb. .57 - .59
cns.....lb. .70 - —
Powd., 2c. per lb. lower.
Glutamate, kgs.....lb. 1.50 - —
Glycerophosphate, fiber dms., 1,000-lb. lots..lb. 1.25 - —
smaller lots.....lb. 1.75 - —
Iodide, bots., jars.....lb. 4.04 - 4.19
Lactate, edible, 100 lbs., dms., lb. .21 - —
USP, bbls.....lb. .35 - .37
Laurate, bbls.....lb. .28 - .29
Mandelate, USP, dense, fluffy, dm..lb. 2.05 - 2.34
Naphthenate, 4% Ca, 50-gal. dms..lb. .22½- —
Pantothenate, dex., 100-gram bots..per gram. .10 - —
Phosphate, feeding grade, bgs., works..ton.75.00 - —
food grade, bbls., 10 or over, works..lb. .07 - .07¾
5 to 9 bbls., works.....lb. .08 - .09
1 to 4 bbls., works.....lb. .10 - —
medicinal, dibasic, bgs..... 100 lbs.11.40 -18.00
monobasic, cryst., bgs., c.l., works, frt. equald..lb. .05¾- —
l.c.l., frt. equald.....lb. .06 - .06½
tribasic, bbls., c.l., works..lb. .0635- —
Resinate, precip., 5.3% Ca, 100-lb. dms..lb. .15½- —
Silicate, hydrated, 50-lb. paper bgs., c.l., work..lb. .06½- —
l.c.l., works.....lb. .06 - —
Stearate, precip., bbls., c.l., works..lb. .25 - —
l.c.l., same basis.....lb. .26 - .28
Sulphate (see Gypsum).
Sulphide, 70%, bgs., c.l., works, ton.45.00 - —
80%, bgs., c.l., works....ton.50.00 - —
luminous, tins, works.....lb. 1.00 - —
Sulphocarbolate, bbls.....lb. .49 - .50
Tallate, 3%-4% Ca, 50-gal. dms. lb. .13¼- .19¼
Calcium-strontium sulphide, phosphorescent, dms., works..lb. 1.00 - 1.50
fine particle size, works. lb. 1.50 - 1.75
Calendula flowers, bls.....lb. No stocks
Calomel,[6] bbls., dms.....lb. 2.56 - 2.67
Camphor,[6] natural.....lb. No stocks
synth., tech., bbls., contract, 2,000 lbs. or more, works. lb. .42 - —
10 bbls. (1,500 lbs.).....lb. .44½- —
5 to 9 bbls.....lb. .45 - —
1 to 4 bbls.....lb. .46 - —
smaller lots.....lb. .48 - .55
USP, gran., powd., bbls., 2,000-lb. lots..lb. .69 - —
1,000-lb. lots.....lb. .70 - —
smaller lots.....lb. .71 - —
tablets, 2,000-lb. lots.....lb. .82 - —
1,000-lb. lots.....lb. .83 - —
smaller lots.....lb. .84 - —
Monobromate, 25-lb. dm.....lb. 3.20 - —
Canada balsam (see Fir balsam).
Cantharides.....lb. No stocks
Capsicum (see Pepper, red).
Caramel coloring, bbls.....gal. .70 - 1.10
Caraway seed,[1] California, Dutch type, bgs..lb. .85 - .86
Canadian, bgs.....lb. .80 - .81
Morocco, dewhiskered, bgs...lb. No stocks
Spanish, dewhiskered, bgs...lb. .76 - .77
Syrian, dewhiskered, bgs....lb. .78 - .79
Carbazole, 95%, dms., ton lots, works..lb. .70 - —
smaller lots, works.....lb. .80 - —
98%, dms., ton lots, works...lb. .75 - —
smaller lots, works.....lb. .85 - —
Carbinol, butyl, norm. (see Amyl alcohol, normal).
secondary, dms., l.c.l., works lb. .60 - —
Dimethylethyl, l.c.l., works..lb. .60 - —
Isobutyl, dms., c.l., works..lb. .22½- —
l.c.l., works.....lb. .23½- —
tanks, works.....lb. .21½- —
Carbon bisulphide, 55-gal. dms., c.l., frt. alld. E. of Miss. R., N. of Ohio R..lb. .05 - —
l.c.l., same basis.....lb. .05¾- —
5-gal. dms., c.l., same basis. lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .08½
Dioxide, cyls.....lb. .06 - .08
Tetrachloride,[1,6] c.p., dms., c.l. lb. .07½- —
l.c.l.....lb. .09 - —
tech., Zone 1, 52½-gal. dms., c.l., frt. alld..gal. .73 - —
l.c.l., frt. alld.....gal. .80 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .97 - —
l.c.l., frt. alld.....gal. 1.07 - —
Zone 2, 52½-gal. dms., c.l., frt. alld..gal. .80 - —
l.c.l., frt. alld.....gal. .87 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.04 - —
l.c.l., frt. alld.....gal. 1.14 - —

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For more than 25 years CALCO has held prominent place as a maker of fine *Colors* for the textile, leather, paper, paint and other color-using industries.

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1st. CALCO is basically sound as to raw materials for intermediate and color productions.

2nd. CALCO is unusually competent through its long-experienced technical staff to serve pharmaceutical manufacturers . . . with advice and guidance on their *Certified Color* problems.

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Carbon tetrachloride, Zone 3, 52½-gal. dms., c.l., frt. alld..gal. .94 - —
l.c.l., frt. alld.....gal. 1.00 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.17 - —
l.c.l., frt. alld.....gal. 1.27 - —
Zone 4, 52½-gal. dms., c.l., gal. .83 - —
l.c.l. .....gal. .90 - —
5 or 10-gal. dms., c.l..gal. 1.07 - —
l.c.l. .....gal. 1.17 - —
USP, cbys.....lb. .17 - .19

Carbon tetrachloride prices are frt. alld. with the exception of Zone 4, where prices are f.o.b. cars, L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Sales zones are:—1, Conn., Del., Ill., Ind., Ia., Me., Mass., Md., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., O., Pa., R. I., Tenn., Va., W. Va., Wis., and river cities of Burlington, Ia., and Kansas City, Kans.; 2, Ala., Ark., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D.; 3, Colo., N. Mex., Tex., and Montana points E. of Billings; 4, Ariz., Cal., Idaho, Nev., Ore., Utah, Wash. and Montana points W. of Billings.

Cardamom,[1] bleached, bold, cs.. lb. 1.45 - 1.50
medium, cs.....lb. 1.26 - 1.30
decorticated, cs.....lb. .71 - .72
green, bgs.....lb. .66 - .66
Carotene, crystalline (alpha, 10%; beta, 90%), amps, 100 grams, dlvd..gram. 2.65 - —
50 grams, dlvd.....gram. 2.90 - —
Carvol bots.....lb. 22.50 - 23.00
Cascara sagrada bark, bulk..lb. .32 - .35
Case-hardening mixture, 30% gran., dms., l.c.l..lb. .09¾- —
slabs, dms., l.c.l.....lb. .08¾- —
Casein,[1,2] dom., acid-precip., bgs., 100 or more, ship't point..lb. .22 - —
20 to 99, same basis....lb. .22¼- —
less than 20, same basis. lb. .22¾- —
rennet-precip., bgs., 100 or more, same basis..lb. .23¼- —
20 to 99, same basis....lb. .23¾- —
less than 20 bgs.....lb. .24¼- —
Imp., acid-precip., ground, bgs., 100 bgs. or more..lb. .18 - .18½
rennet-precip., unground, bgs., 100 bgs. or more..lb .19½- .21
Cassia[1] .....lb. No stocks
Cassia fistula, bakts.....lb. .26 - .29
Castor beans, f.o.b. Brazilian ports..long ton. 75.00 - —
Oil (see Oil, castor).
Pomace,[1] bgs., c.l., works.... unit-ton. 2.90 - —
Castoreum, nat., cns.....lb. 12.00 - 13.00
synth, bots.....lb. 19.00 - —
Catechol, CP, cryst., works, fib. dms., tin..lb. 2.15 - 2.30
resublimed, frt. alld. E. of Miss., dms..lb. 3.50 - —
Catnep, bls.....lb. .65 - .66
Celery seed,[1] Indian, bgs.....lb. .21½- .22
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate,[4,5] flake, ctns., works, frt. alld..lb. .30 - .35
granules, ctns., same basis.lb. .35 - —
Triacetate,[4,5] flake, ctns., works, frt. alld..lb. .30 - —
Cerium hydrate, dms., works..lb. .60 - —
Oxalate, USP, bbls., works..lb. .35 - —
kgs., works.....lb. .37 - —
Oxide, optical grade, kgs., 100-lb. lots, works..lb. 1.50 - —
smaller lots, bgs., same basis..lb. 2.00 - —

Chalk, precipitated, cosmetics, dentifrices, and drugs, bgs., c.l., works..lb. .02¾- —
paint and other industries, bgs., c.l., works..ton. 40.00 - —
papermakers, bgs., c.l., works, ton. 62.50 - —
rubbermakers, bgs., c.l., works, ton. 30.00 - —
Chamomile, Hungary type, cs..lb. .45 - .50
Roman, bls.....lb. No stocks
Charcoal, pinewood,[1,6] gran., pulv., bgs., c.l., f.o.b. producers' plants in South..ton. 30.20 - —
l.c.l., same basis.....ton. 41.00 - —
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract,[1,6] clarif., 25%, bbls., c.l., works...100 lbs. 2.85 - 3.35
l.c.l., works.....100 lbs. 3.10 - 4.10
tank, works.....100 lbs. 2.25 - 3.25
powdered, 65% tannin, bgs., c.l., works...100 lbs. 6.50 - 9.10
l.c.l., works.....100 lbs. 7.25 - 9.85
Chillies (see Pepper, red).
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works.....ton. 16.00 - —
bulk, c.l., works...ton. 7.00 - —
200 mesh, bgs., c.l., works..ton. 6.50 - —
l.c.l., works.....ton. 9.50 - 15.50
wet-grd., silkbolt, 80½%, 325 mesh, bulk, c.l., works.. ton. 9.50 - —
paper bgs., c.l., works..ton. 12.50 - —
import, white, lump, bulk, c.l., ex dock Balto., Boston, Norfolk, Phila..ton. 19.00 - 24.00
powd., cks., l.c.l., ex whse..ton. 41.00 - —
Chloral hydrate, jars.....lb. .93 - .98
dms. .....lb. .90 - .95
Chlorinated rubber,[6] standard, ctns., 100 lbs. up, works..lb. .32 - —
smaller lots, works.....lb. .35 - —
Chlorine,[2,3,6] liquid, cyls., c.l..lb. .05¼- —
contracts .....lb. .05¼- —
l.c.l. .....lb. .07¼- —
tanks, single units, works, frt. equald..100 lbs. 1.75 - —
multiple units, 3 or over, works, frt. equald..100 lbs. 2.00 - —
2, wks., frt. equald..100 lbs. 2.50 - —
1, wks., frt. equald..100 lbs. 3.00 - —
Chloroform, tech., dms.....lb. .20 - .23
USP, dms.....lb. .30 - .33
Chloropicrin, com'l, 180-lb. cyls., works, frt. alld..lb. .80 - —
100-lb. cyls., same basis...lb. .82 - —
25-lb. cyls., ex whse.....lb. 1.00 - —
1-lb. bots., ex whse.....lb. 1.25 - —
Choline chloride, fib. dms.....lb. 3.00 - 3.10
Dihydrogen citrate, fib. dms.lb. 3.00 - 3.10
Chrome acetate, powd., 24%, bbls. lb. .22 - —
solut., 8%, bbls., cs.....lb. .07½- —
7½%, bbls., cs.....lb. .06½- —
Chrome cake, bulk, c.l., works.. ton. 16.00 - —
Ore,[1] residue, paper bgs., c.l., works..ton. 15.00 - —

Oxide (see Green, chrome).
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).

Chrysarobin, bots.....lb. 6.02 - 6.09
Cinchona bark,[6] red, quill, USP, 10 in., cs..lb. 1.20 Nom.

Cinchonidine,[6] small, cryst., cns. 100 ozs. .80 + .12½*
Sulphate, NF, cns., 100 ozs..oz. .89 + .13½*

* Surcharge to cover present war-risk insurance, higher ocean freight rates and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchonine,[6] small, cryst., cns., 100 ozs..oz. .62 + .13½*
large cryst., cns., 100 ozs..oz. .66 + .13½*
Sulphate, NF, cns., 100 ozs..oz. .42 + .13½*

* Surcharge to cover present war-risk insurance, higher ocean freight rates and other expenses over the cost of usual business. (Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchophen, NF, heavy dms..lb. 3.70 - 3.80
standard, dms.....lb. 3.50 - 3.60
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, cns., dms.....lb. 2.50 - 3.90
Cinnamon,[1] Ceylon, 2, bls.....lb. .53 - .53½
No. 2, bls.....lb. .52 - .53
chips, bgs.....lb. .56 Nom.
Citral, bots., cns.....lb. 4.50 - 5.00
Citrine ointment, jars.....lb. .96 - 1.15
Citronellal, bots., dms.....lb. 2.75 - 3.25
Citronellol, bots., dms.....lb. 6.00 - 7.00
Clove,[1] Madagascar, futures, bls., lb. .15¼- .15¾
Zanzibar, bls.....lb. .17½- .18
futures, bls.....lb. .16¼- .16¾
Clover tops, red, bgs.....lb. .55 - .60
Coaltar,[6] coal-gas, crude, bbls., c.l., works..bbl. 8.25 - —
l.c.l., works.....bbl. 8.75 - —
tanks, works.....gal. .07½- —
refd., bbls., c.l., works....bbl. 8.75 - —
l.c.l., works.....bbl. 9.25 - —
tanks, works.....gal. .08½- —
water-gas, crude, dms., c.l., works..bbl. 8.25 - —
l.c.l., works.....dm. 8.75 - —
refd., dms., c.l., works..dm. 9.25 - —
Cobalt acetate,[6] bbls., kgs., dlvd. lb. .83¾- —
feed grade, 49.5% Co, kgs..lb. 1.25 - —
Carbonate,[6] powd., bgs., works. lb. 1.58 - —
feed grade, 26% Co, kgs...lb. 1.26 - —
Chloride, kgs., works.....lb. .87½- —
feed grade, 24.5% Co, kgs..lb. 1.25 - —
Hydrate,[6] bbls.....lb. 2.04 - —
feed grade, 62% Co., kgs...lb. 2.25 - —
Linoleate, paste, 5%, dms...lb. .32 - .33
solid, 8½%, dms.....lb. .44 - —
Naphthenate, 6% Co., 50-gal. dms..lb. .31 - —
Nitrate, feed grade, 20.4% Co., kgs..lb. 1.25 - —
Oleate, bbls.....lb. .44 Nom.
Oxide,[6] black, kgs.....lb. 1.84 - —
Phosphate, feed grade, 34% Co., kgs..lb. 1.75 - —
Resinate, precip., 7.5% Co., 100-lb. dms..lb. .38½- —
Soyate, 8%-8.5% Co., 50-gal. dms..lb. .42 - .44
Sulphate,[6] dms.....lb. .65 - —
feed grade, 21% Co., kgs...lb. 1.00 - —
Cobalt salts, feed grade, quotations are f.o.b. Philadelphia, Cleveland, or New York.
Cobalt-ammonium sulphate, 14% Co., kgs..lb. .75 - —
Cocaine hydrochloride, 100-oz.lots, cns..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .37 - .38
silver, Teneriffe, bgs.....lb. .38 - .39

Cocoa butter,[1] bulk, ship't pt..lb. .25 - —
Cocillana bark, bgs.....lb. .42 - .43
Codeine, cns., 100 ozs.....oz. 11.70 - —
Hydrochloride, cns., 100 ozs..oz. 10.50 - —
Phosphate, cns., 100 ozs.....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh root, black, bls.....lb. .18 - .20
blue, bls.....lb. .21 - .22
Colchicine, bots., cns.....oz. No stocks
Colchicum seed.....lb. No stocks
Collodion, USP, dms.....lb. .19½- .20¼
cns. .....lb. .23 - .29½
flexible, USP, dms.....lb. .21 - .22
cns. .....lb. .35 - .31
Colocynth pulp, bls.....lb. .55 - .60
Colombo root, bls.....lb. .19 - .20
Coltsfoot leaves, bgs.....lb. .90 - 1.00
Condurango bark, bgs.....lb. .12 - .15
Copaiba balsam, Para, cns....lb. .47 - .49
S. A., USP, cns.....lb. .50 - .52
Copper acetate, cupric, bbls., works..lb. .25¼- —
smaller containers, wks..lb. .27 - —
Carbonate,[6] 52-54%, bbls....lb. .19½- .20½
Chloride,[6] anhyd., bbls.....lb. .22½- .23
crystals, bbls.....lb. .14¾- .17
Cyanide,[6] tech., bbls.....lb. .34 - .39
Iodide, bots.....lb. 5.15 - 5.19
Metal,[1,3,6] electrolytic.....lb. .12 - .12½
Naphthenate, 6%-8% Cu., 50-gal. dms..lb. .15 - .17
Nitrate,[1] tech., cryst., bbls..lb. .19¼- .20¼
Oleate, precip., bbls.....lb. .22¼- .28½
Oxide,[6] black, bbls., works..lb. .19 - .20
red, com'l, bbls.....lb. .21 - .24½
Oxychloride-sulphate,[6] bgs...lb. .17 - .20
Resinate,[5] precip., 8.3% Cu., 125-lb. dms..lb. .15½- .16
Sulphate,[1,6] 99%, cryst., bgs., c.l., works..100 lbs. 5.00 - —
7,200 to 36,000 lbs...100 lbs. 5.15 - —
2,700 to 7,200 lbs.....100 lbs. 5.25 - —
700 to 2,700 lbs.....100 lbs. 5.50 - —
monohydrated, bgs., in dms., 36,000-lb. lots, dlvd..100 lbs. 10.20 - —
l.c.l., same basis...100 lbs. 10.95 - —
Copperas, cryst., gran., bgs., c.l., works..ton. 17.00 - —
l.c.l., 25 bgs.....100 lbs. 1.55 - —
1-4, works.....100 lbs. 2.00 - —
bbls., c.l., works.....ton. 20.00 - —
bulk, c.l., works.....ton. 14.00 - —
Copra, Coast, ship't.....lb. No prices
Coriander[1] seed, Argentine, futures, bgs..lb. .12 - .12½
Indian, bgs.....lb. No stocks
Morocco, bgs.....lb. No stocks
Cornsilk, bls.....lb. .24 - .25
Corn sugar, tanners,[6] chipped, bgs., c.l., dlvd..100 lbs. 3.905 - —
slabs, bbls., c.l.....100 lbs. 3.825 - —
Syrup, 42°, bbls., c.l....100 lbs. 4.221 - —
43°, bbls., c.l.....100 lbs. 4.271 - —
Corrosive sublimate,[3] cryst., dms., 50 lbs. or more..lb. 2.16 - —
gran., powd., dms., 50 lbs. or more..lb. 2.01 - —
Cottonroot bark, bls.....lb. .17 - .18
Cottonseed hull ash, 32-36% pot-ash, bgs., dlvd..unit-ton. 1.90 - —
Meal,[1] 41% protein, Memphis, c.l..ton. 45.00 - 49.75
Coumarin,[1] cns., makers, primary distrib., 5 lbs. or more..lb. 2.75 - —
smaller lots.....lb. 2.90 - 3.10
Cramp bark, NF, bls.....lb. .75 - .80
Cream of tartar, USP, gran. or powd., bbls., 5,000 lbs. one ship't..lb. .57½- —
smaller lots, bbls.....lb. .58 - —
kgs. .....lb. .58½- —

SPOT DELIVERIES

INDIAN MAGNESITE

PHENYL ACETONE
POTASSIUM ALGINATE
BROMINE
MAGNESIUM OXIDE HEAVY CALCINED
DICALCIUM PHOSPHATE PURE FOOD
MENTHOL TECHNICAL

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NICKEL FORMATE • Also NICKEL CATALYST • NICKEL CARBONATE • NICKEL OXIDE, ETC.

GOLWYNNE CHEMICALS CORPORATION

420 LEXINGTON AVENUE • NEW YORK 17, N. Y. • PHONE LE 2-9740

creosote carbonate, bots., chys., lb. 2.10 - 2.39
Oil,[3] coaltar, crude, tanks, works..gal. .15½- —
refd., bbls., l.c.l., works.gal. .26 - —
tanks, works.....gal. .18 - .18½
solution, tanks, works.....gal. .141 - —
Wood, beech, bots., chys....lb. .85 - 1.04
Hardwood, USP, bots.....lb. .60 - .77
Pine, dms.....gal. .28 - —
Cresol,[2,6] special resin grades, dms., c.l., works, frt. equald., lb. .09½- .10½
l.c.l., same basis.....lb. .10 - .11
tanks, same basis.....lb. .08¾- .09¾
USP, dms., c.l., works, freight equald..lb. .10¾- .11¾
l.c.l., same basis.....lb. .11¾- .11¾
tanks, same basis.....lb. .10 - .10½
Crotonaldehyde, 97%, 55 and 110 gals., l.c.l., works..lb. .15 - —
5 and 10-gal. dms., works..lb. .18 - —
Cryolite, nat.,[4] bgs., bbls., c.l., 100 lbs. 9.50 - —
smaller lots.....100 lbs.10.00 - —
synth.,[4] bgs., bbls., c.l., frt. alld. E. of Miss. R..lb. .08½- —
smaller lots, works.....lb. .09¼- —
Cube root, 5% rotenone, bbls., works..lb. .40 - —
4% rotenone, bbls., works..lb. .32 - —
Cubeb berries, XX, bgs.....lb. No stocks
powd., cs.....lb. No stocks
Culver's root, bls.....lb. .25 - .26
Cumin seed, Cyprus, bgs.....lb. No stocks
Indian, bgs.....lb. No stocks
Morocco, bgs.....lb. No stocks
Persian, bgs.....lb. No stocks
Cutch, bgs.....lb. No stocks
Cyanamide,[5] fertilizer mixing grade, guaranteed 21% N., pulv., bgs., Niagara Falls, Ont., contracts..unit-ton. 1.52½- —
20.6% N., gran., bulk, same basis..unit-ton. 1.62½- —
Cyclohexane, 98-100%, works..lb. .14 - .16
tech., dms., c.l., frt. alld. E..lb. .10¼- —
l.c.l., frt. alld. E.....lb. .11 - —
tanks, frt. alld. E.....lb. .09½- —
Cyclohexane prices are 1c. per lb. higher, frt. alld., in Cal., Ore., Tex., and Wash.; 2c. higher in Ariz., Col., Ida., Kans., Mont., Neb., Nev., N. D., N. M., Okla., S. D., Utah, and Wyo.
Cyclohexanol, 98-100%, works.lb. .21 - .23
Cyclohexanone, 98-100%, wks..lb. .30 - .32
tech., dms., c.l., frt. alld. E., lb. .30 - —
l.c.l., frt. alld. E.....lb. .30½- —
tanks, frt. alld. E.....lb. .29 - —
Cyclohexanone prices are 1c. per lb. higher, frt. alld., in Cal., Ore., Tex., and Wash.; 2c. higher in Ariz., Col., Ida., Kans., Mont., Neb., Nev., N. D., N. M., Okla., S. D., Utah, and Wyo.
Cyclopropane, USP, cyls., dlvd., gal. .27 - —

D

Dandelion root, bls.....lb. .37 - .40
Decanol,[6] normal, tech., dms., dlvd..lb. .35 - —
Deertongue, bls.....lb. .42 - .48
Defluorinated phosphate,[1] paper bgs., works..ton.34.25 - —
Degras,[1] common, bbls.....lb. .10 - .12
neutral, less 2% ffa, bbls.....lb. .28 - .30
over 2% ffa, bbls.....lb. .26½- .28½
Damiana leaves, bls.....lb. .14 - .15
Derris root (same as Cube root).
Dextrin, British gum, bgs., c.l., 100 lbs. 5.29 - —
Chicago .....100 lbs. 4.93 - —
l.c.l. .....100 lbs. 5.39 - —
Chciago .....100 lbs. 5.03 - —
Corn, canary, bgs., c.l..100 lbs. 5.04 - —
Chicago .....100 lbs. 4.68 - —
l.c.l. .....100 lbs. 5.14 - —
Chicago .....100 lbs. 4.78 - —
white, bgs., c.l.....100 lbs. 4.97 - —
Chicago .....100 lbs. 4.61 - —
l.c.l. .....100 lbs. 5.07 - —
Chicago .....100 lbs. 4.71 - —
Potato, bgs., c.l.....lb. .10 - —
l.c.l. .....lb. .10¼- .11¾
Diacetone (see Alcohol, diacetone).
Diacetyl, bots.....lb. 5.75 - 6.50
Diamyl ether (see Amyl ether).
Diamyl phthalate,[6] dms., c.l., dlvd..lb. .2170- .2200
l.c.l., dlvd.....lb. .2220- .2250
tanks, dlvd.....lb. .2070- .2100
Sulphide, l.c.l., dms., works..lb. .25 - —
Diamylamine, dms., c.l., wks..lb. .61 - —
l.c.l., works.....lb. .64 - —
Diamylphenol, 2:4, dms., c.l., works..lb. .18 - —
l.c.l. .....lb. .21 - —
Diatomaceous earth, dom., CP, bgs., c.l., Atlantic Coast..lb. .07 - —
l.c.l., ex whse.....lb. .10 - .16
Diatomaceous, dom., nat., bgs., c.l., Pacific Coast..ton.22.00 -25.00
l.c.l., ex whse.....ton.45.00 - —
purified, bgs., c.l., Atlantic Coast..ton.55.00 -59.00
l.c.l., ex whse.....ton.85.00 -90.00
imported, Algerian, bgs., c.l., Atlantic Coast..ton. No prices
Mexican, white, bgs., c.l., Atlantic Coast..lb. .02 - .03
l.c.l. .....lb. .04 - .06
Dibutyl phthalate,[3] 5-gal. cns., works..lb. .2630- .2909
7-gal. cns., same basis..lb. .2830- .3109
dms., c.l., same basis....lb. .2040- .2359
l.c.l., same basis.....lb. .2130- .2409
tanks, same basis.....lb. .1980- .2259
Sebacetate, dms., c.l., works.lb. .50½- —
l.c.l., works.....lb. .51 - —
tanks, works.....lb. .49½- —
Tartrate, dms.....lb. .92 - 1.02
Dibutylamine, dms., c.l., works.. lb. .61 - —
l.c.l., works.....lb. .64 - —
Dichloroethyl ether,[6] purified, dms., c.l., works, frt. equaled with So. Charleston..lb. .16 - —
l.c.l., same basis.....lb. .17 - —
tanks, same basis.....lb. .15 - —
Diethanolamine,[6] dms., c.l., frt. alld. in E..lb. .23½- —
l.c.l., same basis.....lb. .24½- —
tanks, same basis.....lb. .22½- —
Diethyl carbonate, com'l, dms.lb. .25 - —
refd., 90%, dms.....lb. .30 - —
Oxalate, dms., c.l., dlvd.....lb. .30½- —
l.c.l., dlvd.....lb. .31 - —
Phthalate,[6] dms., c.l., dlvd..lb. .2025- .2120
l.c.l. .....lb. .2075- .2170
tanks .....lb. .1925- .2050
Sulphate, dms., c.l., works..lb. .15 - —
l.c.l., works.....lb. .14 - —
tanks .....lb. .12 - —
Diethylamine, dms., c.l., works.lb. .76 - —
l.c.l., works.....lb. .81 - —
Diethylaminoethanol,[6] l.c.l., dms., works, frt. alld. E. of Miss. R..lb. .75 - —
Diethylanilin, dms.....lb. .40 - —
Diethyleneglycol, dms., c.l., frt. alld. in E..lb. .14½- —
l.c.l., same basis.....lb. .15½- —
tanks, same basis.....lb. .13½- —
Monobutylether, dms., c.l., wks., lb. .22 - —
l.c.l., works.....lb. .23 - —
tanks, works.....lb. .21 - —
Monoethylether,[6] dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Digitalis leaves, dms.....lb. .60 - .65
Diglycol laurate, dms.....lb. .31 - .32
Oleate, light, bbls., c.l.....lb. .17 - —
Stearate, bbls., c.l.....lb. .22 - —
Di-isobutyl ketone, dms., works, lb. .19 - —
Dillseed, cleaned, bgs.....lb. No stocks
dewhiskered, bgs.....lb. .13 - .13½
Dimethyl phthalate,[6] dms., c.l., dlvd..lb. .1875- —
l.c.l., dlvd.....lb. .1925- —
tanks, dlvd.....lb. .1775- —
Dimethylamine, dms., c.l. ....lb. .85 - —
l.c.l., dlvd.....lb. .90 - —
Dimethylanilin, dms, c.l.....lb. .23 - —
l.c.l. .....lb. .24 - —
Dimethylethyl carbinol (see carbinol).
Dinitrobenzene, bbls., 80° min.lb. .18 - —
Dinitrochlorobenzene, dms.....lb. .14 - —
Dinitronaphthalene, kgs.....lb. .35 - .38
Dinitrophenol, bbls.....lb. .22 - —
Dinitrotoluene, dms.....lb. .18 - —
oily, dms.....lb. .05 - —
Diorthotoluolguanidin,[6] dms., ton lots, dlvd..lb. .44 - —
smaller lots.....lb. .46 - .47
Dioxan, dms., c.l., frt. alld...lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene,[1,5] dest. dist., dms., dlvd. E..gal. .55 - .56
tanks, dlvd. E.....gal. .45 - —
single dist., dms., dlvd. E..gal. .56 - .58
tanks, dlvd. E.....gal. .52 - —
Diphenyl,[6] bbls., c.l., works...lb. .15 - —
l.c.l., works.....lb. .16 - .20
Oxide, perfume grade, cns...lb. .48 - .50
dms.....lb. .43 - .45
Diphenylamine,[6] bbls.....lb. .25 - —
Diphenylguanidin,[6] dms., tons..lb. .35 - —
smaller lots.....lb. .36 - .37
Divi-divi,[6] according to tanning content, bgs..ton.67.00 -68.00
Doggrass root, dom., cut, NF, bls..lb. .30 - .35
imp., bls.....lb. .52 - .55
Dogwood bark, Jamaica, bls..lb. .08 - .10
Dover's powder, USP, cns....lb. 2.75 Nom.
Dragon's blood, reeds, cs....lb. .85 - .90
Dyes, coaltar (certified colors for foods, drugs and cosmetics)—
Blue, FD&C blue, No. 1, cns.lb.13.50 - —
FD&C blue, No. 1, cns....lb.13.50 - —
Green, FD&C green, No. 1, cns, lb.13.50 - —
FD&C green, No. 2, cns...lb.17.50 - —
FD&C green, No. 3, cns...lb.27.50 - —
Orange, FD&C orange, No. 1, cns..lb. 2.90 - —
FD&C orange, No. 2, cns..lb. 3.05 - —
Red, FD&C red, No. 1, cns..lb. 6.00 - —
FD&C red, No. 2, cns.....lb. 3.15 - —
FD&C red, No. 3, cns.....lb.17.50 - —
FD&C red, No. 4, cns.....lb. 5.75 - —
FD&C red, No. 32, cns....lb. 4.15 - —
Yellow, FD&C yellow, No. 1, cns..lb. 8.50 - —
FD&C yellow, No. 3, cns..lb. 2.65 - —
FD&C yellow, No. 4, cns..lb. 2.65 - —
FD&C yellow, No. 5, cns..lb. 3.15 - —
FD&C yellow, No. 6, cns..lb. 3.15 - —
Dyes, coaltar (certified colors for drugs and cosmetics)—
Black, D&C black, No. 1, cns., lb. 8.35 - —
Blue, D&C blue, No. 4, cns..lb.12.35 - —
Brown, D&C brown, No. 1, cns., lb.12.35 - —
Green, D&C green, No. 5, cns., lb.12.35 - —
D&C green, No. 6, cns.....lb.12.35 - —
Orange, D&C orange, No. 3, cns..lb. 8.35 - —
D&C orange, No. 4, cns....lb.15.35 - —
D&C orange, No. 10, cns...lb.15.85 - —
Red, D&C red, No. 8, cns...lb. 2.85 - —
D&C red, No. 17, cns.....lb. 8.35 - —
D&C red, No. 18, cns.....lb.15.35 - —
D&C red, No. 19, cns.....lb.15.35 - —
D&C red, No. 22, cns.....lb. 8.35 - —
D&C red, No. 33, cns.....lb.13.35 - —
D&C red, No. 37, cns.....lb.12.35 - —
Yellow, D&C yellow, No. 7, cns..lb. 8.35 - —
D&C yellow, No. 8, cns....lb. 8.35 - —
D&C yellow, No. 11, cns...lb.10.35 - —
Dyes, coaltar (certified colors for external use, drugs and cosmetics)—
Blue, Ext. D&C blue, No. 1, cns..lb.12.35 - —
Green, Ext. D&C green, No. 1, cns..lb.12.35 - —
Red, Ext. D&C red, No. 1, cns., lb.10.35 - —
Ext. D&C red, No. 3, cns..lb.21.85 - —
Ext. D&C red, No. 8, cns..lb. 7.85 - —
Ext. D&C red, No. 10, cns.lb.12.35 - —
Ext. D&C red, No. 13, cns.lb.12.35 - —
Yellow, Ext. D&C yellow, No. 1 cns..lb. 8.35 - —
Dyes, coaltar, for general uses[5] (numbers are those of Colour Index scale)—
36 Chrome yellow, 2G....lb. .65 - .70
40 Chrome yellow R.....lb. .50 - 1.00
53 Victoria violet.....lb. .80 - 1.00
165 Lake red C.....lb. .70 - .80
170 Fast red A[6].....lb. .56 - .60
180 Fast red VR.....lb. 1.50 - 1.60
189 Lake red R, paste....lb. .85 - .90
189 Lake red R, powd....lb. 3.00 - 3.10
202 Chrome blue black U..lb. .35 - .42
204 Chrome black A.....lb. .42 - .45
208 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .60 - .80
289 Fast cyanin 5R.....lb. .90 - 1.00
299 Chrome black F.....lb. .85 - .88
304 Paper yellow.....lb. .83 - .90
307 Fast cyanin black B..lb. .80 - .85
326 Direct fast scarlet...lb. 2.00 - 2.25
365 Chyrophenin G.....lb. .58 - .70
382 Direct scarlet B.....lb. 1.15 - 1.20
387 Direct violet B.....lb. 1.00 - 1.30
394 Direct violet N.....lb. .80 - .85
401 Developed black BHN. lb. .45 - .60
406 Direct blue 2B.....lb. .66 - .70
415 Direct orange B.....lb. .60 - .70
419 Direct fast red F....lb. .70 - .73
420 Direct brown M.....lb. .55 - .57
448 Benzo purpurin 4B...lb. .65 - .68
495 Benzo purpurin 10B..lb. .40 - .50
502 Direct azcrin G.....lb. .75 - .80
512 Direct blue RD.....lb. .89 - 1.00
518 Direct pure blue 6B..lb. 1.20 - 1.30
520 Direct pure blue.....lb. .50 - 1.00
529 Direct fast black FF.lb. .55 - 1.00
581 Direct black EW.....lb. .50 - .54
582 Direct black RX.....lb. .35 - .45
592 Direct green B.....lb. .50 - .55
594 Direct green G.....lb. .50 - .55
596 Direct brown 3GO...lb. .85 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
698 Acid violet.....lb. 1.00 - 3.00
812 Primulin .....lb. .70 - .73
814 Direct fast yellow....lb. 2.00 - 2.25
845 Nigrosin (water soluble). lb. .35 - .50
1177 Indigo, 20% paste....lb. .15 - .18
Benzo fast black L...lb. .90 - 1.00
Sulphur black.....lb. .20 - .25
Sulphur blue.....lb. .45 - 1.00
Sulphur brown.....lb. .25 - .50
Sulphur maroon.....lb. .40 - —
Sulphur tan.....lb. .30 - .50
Sulphur olive.....lb. .25 - .54
Sulphur yellow.....lb. .30 - .50
Zambesi black.....lb. .75 - .80
Dyes, coaltar, for general uses[5] (numbers are those of Colour Index scale)—
Black—
865 Nigrosin derivatives..lb. .36 - .44
Blue—
7075 Alizarin astral base..lb.15.00 - —
1078 Alizarin cyanin, green base..lb. 6.00 - —
Brown—
Brown .....lb. 1.15 - —
Green—
1078 Alizarin cyanin green.lb. 5.00 - —
Green .....lb. .75 - —
Orange—
24 Sudan I.....lb. .75 - —
Red shade.....lb. .75 - —
Red—
75 Sudan II.....lb. 1.05 - —
258 Sudan IV.....lb. .85 - —
680 Oil violet.....lb. .50 - —
749 Rhodamine B (oil pink), lb. 2.50 - —
1080 Anthraquinone,[6] violet base..lb. 6.00 - —
Yellow—
15 Amidoazobenzene yellow..lb. .90 - —
17 Amidoazotoluene yellow, lb. .75 - —
61 Yellow OB.....lb. 1.40 - 2.00
Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher, f.o.b. sellers' works or warehouse).
Black—
246 Naphthol blue black S.. lb. .50 - —
729 Victoria blue B.....lb. 1.85 - —
861 Indulin .....lb. .87 - —
873 Methylene gray.....lb. 1.50 - —
909 New blue P.....lb. 1.20 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B...lb. 1.90 - —
1180 Indigotin IA.....lb. .85 - —
Blue—
714 Patent blue A.....lb. 1.05 - 1.10
Brown—
231 Bismarck brown G...lb. .47 - .62
234 Resorcin brown Y....lb. .65 - —
235 Resorcin dark brown R, lb. .66 - —
332 Bismarck brown R...lb. .47 - .62
793 Phosphin .....lb. 4.65 - —
Green—
5 Naphthol green B....lb. 1.00 - —
657 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
737 Wool green S.....lb. .58 - —
924 Methylene green B...lb. 1.55 - —
1078 Alizarin cyanin green.lb. 2.00 - —
Orange—
10 Chrysoidin G.....lb. .44 - —
21 Chrysoidin R.....lb. .41 - —
27 Orange G.....lb. .50 - —
31 Amidonaphthol red G.lb. .42 - —
37 Amidonaphthol red 6B, lb. .68 - —
151 Orange Y.....lb. .31 - .33
161 Orange R.....lb. .34 - —
Red—
79 Ponceau R.....lb. .48 - —
88 Fast red B.....lb. 1.05 - —
176 Fast red A[6].....lb. .54 - —
179 Azorubin .....lb. .60 - —
183 Crocein scarlet 3BX..lb. .72 - .75
185 Cochineal red A.....lb. .60 - —
252 Brilliant crocein M...lb. .68 - —
677 Fuchsin .....lb. 2.10 - —
749 Rhodamine B.....lb. 3.50 - —
752 Rhodamine 6B.....lb. 4.50 - —
768 Eosin G.....lb. 1.50 - —
841 Safranin .....lb. 1.45 - —
Violet—
680 Methyl violet B.....lb. .70 - .75
681 Crystal violet B.....lb. 1.75 - —
695 Acid violet 4BN.....lb. .88 - —
Yellow—
10 Naphthol yellow S...lb. .88 - —
138 Metanil yellow.....lb. .56 - .58
636 Fast light yellow.....lb. 1.25 - —
639 Xylene light yellow..lb. 1.15 - —
640 Tartrazin .....lb. .80 - —
655 Auramine .....lb. 1.27 - —
Dyes, coaltar, for stains, water-soluble (prices E. in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher, f.o.b. sellers' works or warehouse).
Black—
864 Nigrosin .....lb. .36 - .44
Blue—
860 Indulin .....lb. .60 - .70
Brown—
331 Bismarck brown.....lb. 1.50 - —
Green—
637 Malachite green base..lb. 2.00 - —
Orange—
20 Chrysoidin G.....lb. .95 - —
21 Chrysoidin R.....lb. .96 - —
Red—
677 Fuchsin, magenta, base, lb. 7.25 - —
749 Rhodamine R.....lb. 4.75 - —
Yellow—
67 Amidoazotoluene yellow, lb. .75 - —
655 Auramine .....lb. 2.00 - —
800 Chinolin yellow SS...lb. 2.00 - —
Violet—
680 Methyl violet base....lb. .85 - —
Dyes, natural (see name of article).

E

Echinacea root, bls.....lb. .80 - .85
Egg[1] albumen (see Albumen).
Yolk, dried, dom., bbls.....lb. 1.12 - 1.15
imported .....lb. No stocks
Elder flowers, bright, bls.....lb. .58 - .59
Elecampane root, bls.....lb. No stocks
Elm bark, grinding, bls.....lb. No stocks
powd., bbls., bxs.....lb. No stocks
select, bndls.....lb. .55 - .60
Emetine[6] hydrochloride, bots..oz.21.00 -33.00
Ephedra, bls.....lb. .21 - .22
Ephedrine, natural, USP, anhydrous, bots..oz. 1.15 - 1.65
Hydrochloride or sulphate, tins..oz. .95 - 1.45
synthetic, USP, anhyd., bots., 100 ozs..oz. .61 - —
Hydrochloride, tins, 100 ozs. or more..oz. .50 - —
Hydrous, bots., 100-oz. lots. oz. .58 - —
Sulphate, cryst., tins, 100 ozs. or more..oz. .48 - —
Epinephrine, synth., USP, bots.. gram .75 - —
Epsom salt, tech., bgs....100 lbs. 1.80 - —
bbls.....100 lbs. 1.90 - —
USP, cryst., bgs., c.l..100 lbs. 2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.25 - —
smaller lots....100 lbs. 2.50 - —
bbls., c.l.....100 lbs. 2.10 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.35 - —
smaller lots.....100 lbs. 2.60 - —
kgs., c.l.....100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.60 - —
smaller lots.....100 lbs. 2.85 - —
dried, bgs., l.c.l.....lb. .08 - .09
Epsom salt prices are freight equalized with Balto., Carteret, N. J.; Chicago, Cincinnati, Cleveland, Houston, New Orleans New York.
Ergot, USP, dms.....lb. 1.30 - 1.40
Eserine, bots.....oz. No prices
Sulphate, 1-gram vials....vial. 2.10 - —
Ether, acetic (see Ethyl acetate).
Amyl (see Amyl ether).
Butyl, l.c.l., dms., dlvd.....lb. .30 - —
Ethyl[6] (see Ether, sulphuric).
Nitrous, conc., bot., 100 lbs..lb. .93 - 1.10
Sulphuric,[6] conc., dms.....lb. .11 - .16
USP anesthesia, hospitals, 1-lb. cns..lb. .60 - .61
Synthetic, dms., c.l., works..lb. .14½- —
l.c.l., works.....lb. .15½- —
tanks .....lb. .12½- —
Ethyl acetate,[3,6] 85-90%, dms., c.l., frt. alld..lb. .1170- .1275
l.c.l., frt. alld.....lb. .1220- .1325
tanks, frt. alld.....lb. .1070- .1175
95-98%, dms., c.l., frt. alld., lb. .1225- .1335
l.c.l., frt. alld.....lb. .1275- .1385
tanks, frt. alld.....lb. .1125- .1235
NF, dms.....lb. .14½- .15½
Acetoacetate, dms., c.l., works, lb. .37½- —
l.c.l., frt. alld.....lb. .38 - —
Benzoate, bots.....lb. .90 - 1.00
Bromide, tech., dms.....lb. .50 - .55
Carbamate, dms., dlvd. E....lb. .58 - —
Chloride, tech., dms.....lb. .18 - .20
USP, bbls., cyl.....lb. .20 - .22
Cinnamate, cns.....lb. 3.25 - 3.85
Formate, dms., f.o.b. Agnue, Calif..lb. .26 - .32
Iodide, bots.....lb. 3.50 - 3.60
Lactate, dms., works.....lb. .33½- .39½
Myristate, dms., works.....lb. .55 - —
Oenanthate, dms.....lb. 1.50 - 1.75
Oleate, dms., l.c.l., works...lb. .47 - —
Oxalate, dms., frt. alld.....lb. .33 - —
Silicate, l.c.l., dms., works..lb. .77 - —
Ethylcellulose,[6] standard, pkgs., 5,000 lbs. or more, works..lb. .50 - —
smaller lots, same basis....lb. .52 - .80
Ethyldiethanolamine, dms., l.c.l., works..lb. .80 - —
Ethylene dichloride,[6] dms., c.l., works, E. of Rockies, frt. alld..lb. .0842- —
West of Rockies, same basis..lb. .0891- —
l.c.l., works, E. of Rockies, same basis..lb. .0891- —
West of Rockies, same basis..lb. .0941- —
tanks, E. of Rockies, same basis..lb. .0743- —
West of Rockies, same basis..lb. .0792- —
Trichloride (see Trichloroethane).
Ethyleneglycol,[3,6] dms., c.l., frt. alld. in E..lb. .10 - —
l.c.l., same basis.....lb. .11 - —
tanks, same basis.....lb. .09 - —
Monobutylether,[6] dms., c.l., works..lb. .17½- —
l.c.l., works.....lb. .18½- —
tanks, works.....lb. .16½- —
Monoethylether,[6] dms., c.l., wks..lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Monoethylether acetate, dms., c.l., works..lb. .13½- —
l.c.l., dms.....lb. .14½- —
tanks, works.....lb. .12½- —
Monomethylether,[6] dms., c.l., works..lb. .16½- —
l.c.l., works.....lb. .17½- —
tanks, works.....lb. .15½- —
Ethylethanolamine, dms., c.l., works..lb. .57 - —
l.c.l., works.....lb. .60 - —
Ethylidinaniiin, dms.....lb. .45 - .47½
Ethylmonoethanolamine, l.c.l., dms., works..lb. .80 - —
Ethylmorphine, hydrochloride, bots..oz.10.50 -10.75
Ethylvanillin,[1] cns., makers, primary distrib., 5 lbs. or more, lb. 5.25 - —
smaller lots.....lb. 5.30 - 5.40
Eucalyptol, cns., dms.....lb. 2.75 - 3.00
Eucalyptus leaves, bls.....lb. .10 - .18
Eugenol, cns., dms.....lb 2.65 - 3.25
Euphorbia, bls.....lb. .12 - .13

F

Feldspar, enamel, 100 mesh, bulk, c.l., works..ton.14.00 -17.50
bgs., min. 2 tons.....ton.17.00 -20.50
glass, 20 mesh, bulk, c.l., works..ton. 9.75 -12.25
bgs., l.c.l., min. 2 tons..ton.12.75 -16.25
pottery, bulk, c.l., works...ton.17.00 -19.00
l.c.l., bgs., min. 2 tons..ton.20.00 -22.00
Fennel seed, Argentine, bgs...lb. No stocks
Indian, bgs.....lb. .16½ Nom.
Fenugreek seed, domestic, bgs.lb. .20 - .20½
Indian, bgs.....lb. No stocks
Morocco, bgs.....lb. No stocks
Ferric sulphate, anhyd., bgs., c.l., works..ton.35.00 - —
l.c.l., same basis.....ton.40.00 - —
Film scrap, colored, cs., 50 lbs. or over, works..lb. .13½- —
smaller lots, works.....lb. 15 - —
water white, cs., 50 lbs. or over, works..lb. .14½- —
smaller lots, works.....lb. .17 - —
Fir, balsam, Canada, cns....gal.17.50 -17.75
Oregon, bbls.....gal. 2.35 - 2.50
Fishberries, bgs.....lb. .23 - .24
Fishoils (see Oil, fishliver).
Fishmeal,[1] grd., 60% protein, bgs., E. works..ton.72.50 - —
65% protein, same basis..ton.78.50 - —
Fishscrap, dried, 60% protein, bulk, East Coast..ton.66.50 - —
Flake white, bbls.....lb. .09 - —
kegs .....lb. .11 - —
Fleaseed, French type, bgs., black, lb. .62 - .64
Indian, blonde, bgs.....lb. .11½- .14
Fluorspar, No. 1, ground, 95-98% CaF_2, bulk c.l., mines, net ton.37.00 - —
washed gravel, 70% or more CaF_2, mines..net ton.33.00 - —
65%, mines.. .....net ton.32.00 - —
60%, mines.....net ton.31.00 - —
less than 60%, mines..net ton.30.00 - —
Formaldehyde,[1,3,6] bbls., c.l., works..lb. .0520- —
l.c.l., works.....lb. .0570- —
dms., extra, c.l., works.....lb. .0460- —
l.c.l., works.....lb. .0510- —
tanks, works.....lb. .0320- —
tanktrucks, dlvd. N.Y.C.....lb. .0345- —
Fringetree bark, bls.....lb. .60 - .70
Fuller's earth, dom., powd., bgs., c.l., Fla., Ga. mines..ton. 8.50 -15.00
Tex. mines.....ton.12.50 - —
spent, bulk, Bayonne....ton. 3.00 - —
Chicago .....ton. 4.00 - —
imp., bgs., c.l.....ton.30.00 -40.00
Furfural,[6] ref., dms., c.l., works, lb. .15½- —
dms., cns., l.c.l., works..lb. .18 - .25½
tech., dms., c.l., works.....lb. .13 - —
l.c.l., dms., cns.....lb. .15½- .20½
tanks, works.....lb. .09½- —
Fusel oil, crude, dms., works.gal. .75 - —
refd., dms., dlvd.....lb. .18½- .19½

The Miracle of Glass

On his return from Egypt with a cargo of natron (a Sodium compound), a Phoenician cook used several blocks of natron to construct a primitive fireplace. Imagine his astonishment when, after the fire was started, he observed the formation of a wondrous, clear material developing in the flames. Frightened by its appearance, the slave brought this early glass to the galley overseer who immediately accused him of being in league with Satan.

The explanation of this seemingly miraculous discovery is simple. The fire fused the Sodium compound with the surrounding sand—thus producing history's first glass. Since then, Sodium has played an important role in the march of civilization. However, it was not until 1807 that the pure element was isolated by electrolysis of caustic soda—and therewith the door was opened to the vast commercial applications of Sodium in medicine, pharmacy, the photographic and other industries.

For 78 years MALLINCKRODT CHEMICAL WORKS have specialized in the production of Sodium products. Over 200 forms, including Acetate, Benzoate, Bromide, Carbonate, Citrate, Hyposulfite, Iodide, Mandelate, Phosphate, Salicylate, Sulfate, Sulfite and Sulfocarbolate, have been of service to chemical users.

MALLINCKRODT CHEMICAL WORKS

FINE CHEMICALS Mallinckrodt SINCE 1867

FOR VICTORY BUY UNITED STATES WAR BONDS STAMPS

78 Years of Service to Chemical Users

Mallinckrodt Street, St. Louis 7, Mo. • 74 Gold Street, New York 8, N.Y.

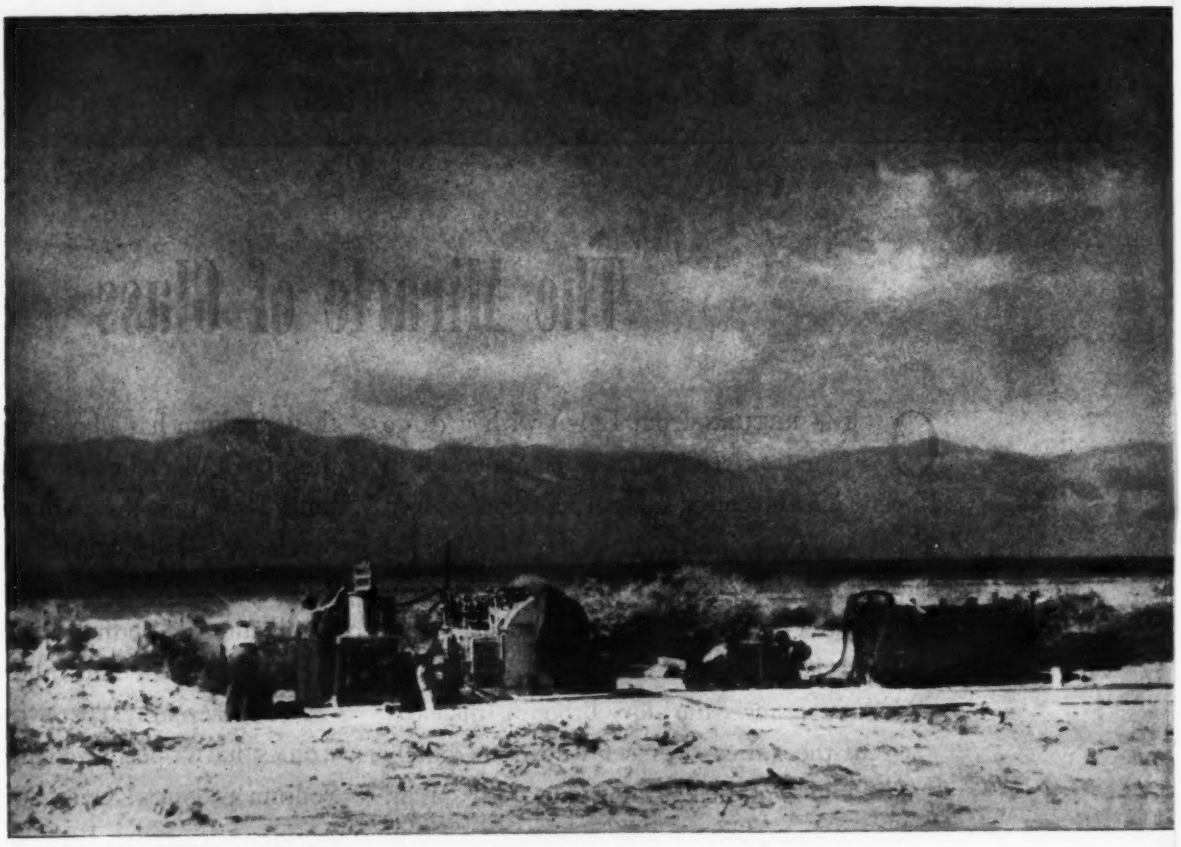
CHICAGO • PHILADELPHIA • LOS ANGELES • MONTREAL

Fustic cryst., No. 1, bbls.	lb.	.32	—
No. 2, bbls.	lb.	.30	—
No. 3, bbls.	lb.	.28	—
extract, No. 1, bbls.	lb.	.16	—
No. 2, bbls.	lb.	.15	—
No. 3, bbls.	lb.	.12½	—

G

G salt, bbls.	lb.	.45	—
Galangal root, bls.	lb.	.24	.25
Gambier, cube, Singapore, cs..	lb.	No stocks	
extract, bbls.	lb.	No stocks	
Gasoline[1] at refinery, ex tax:—			
Arkansas, US motor, 70-74 octane, tanks..	gal.	.05¾	—
Bayonne, 70-74 oct., tanks...	gal.	.09075	—
Gulf Coast, US motor, 70-74 octane, tanks..	gal.	.05¾	—
Group 3, 70-74 octane, tanks.	gal.	.05¾	—
natural, 26-70, tanks.	gal.	.04¾	.05
Oklahoma-Texas US motor, 70-74 octane, tanks..	gal.	.05¾	.06
Pennsylvania, western, US motor, 70-74 octane, leaded, tanks..	gal.	.07¾	.0805
Gelatin, silver, label, ctns., dlvd.,	lb.	.90	.97
export, cases.	lb.	1.00	—
Silver gelatin prices 5c. higher for deliveries in Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Tex., Utah, Wash. and Wyo.			
Gelsemium, root, bls.	lb.	.19	.20
Gentian, root, bls.	lb.	.40	.41
grd., bbls., bxs.	lb.	.45	.46
powd., bbls., bxs.	lb.	.46	.47
Geraniol, 92-96%, cns., dms.	lb.	No prices	
Ginger,[1] African, No. 1, bls.	lb.	No stocks	
Calicut, bgs.	lb.	.24	.25
Cochin, bleached, bgs.	lb.	.27	.27½
unbleached, bgs.	lb.	.23½	.24
Jamaica, No. 1, bgs.	lb.	.25	.25½
No. 2, bgs.	lb.	.23½	.24
No. 3, bgs.	lb.	.23	.24
Ginseng root, wild, South, cs..	lb.	8.00	9.00
Glaubers salt, anhyd. (see Soda sulphate).			
cryst., bgs., bbls., c.l., works.	100 lbs.	1.05	1.25
l.c.l., 5 tons up, works....	100 lbs.	1.15	1.35
less than 5 tons, works,	100 lbs.	1.25	1.45
Glue, bone,[6] producers', calcium type, 24 millipoise, 36 jelly-grams, bgs., c.l., East of Midwest..	lb.	.16	—
30/58, bgs., c.l., same basis..	lb.	.15½	—
58/82, bgs., c.l., same basis..	lb.	.17	—
82/108, bgs., c.l., same basis..	lb.	.18½	—
Producers' bone glue l.c.l. prices 1c. over c.l.			
Hide, producers,[1,6] 100-121 (jelly test in grams), bgs., c.l., dlvd..	lb.	.14	.21½
122-149, bgs., c.l., dlvd.	lb.	.15	.22½
150-177, bgs., c.l., dlvd.	lb.	.16	.23½
178-206, bgs., c.l., dlvd.	lb.	.17	.24½
207-236, bgs., c.l., dlvd.	lb.	.18	.25½
237-266, bgs., c.l., dlvd.	lb.	.19	.26½
267-298, bgs., c.l., dlvd.	lb.	.20	.27½
299-330, bgs., c.l., dlvd.	lb.	.21	.28½
331-362, bgs., c.l., dlvd.	lb.	.22	.29½
363-394, bgs., c.l., dlvd.	lb.	.23	.30½
395-427, bgs., c.l., dlvd.	lb.	.24	.31½
428-460, bgs., c.l., dlvd.	lb.	.25	.32½
461-494, bgs., c.l., dlvd.	lb.	.26	.33½
496-529, bgs., c.l., dlvd.	lb.	.27	.34½
Hide glue l.c.l. prices 1c. over c.l.; bbls., ¼c. over bgs.			
Glycerin, crude, saponification, 88%, to refiners, tanks..	lb.	.11¼	—
soaplye, 80%, tanks.	lb.	.10	—
dynamite, dms., c.l.	lb.	.14½	—
l.c.l.	lb.	.15	—
tanks	lb.	.14¼	—
high gravity, dms., c.l.	lb.	.14½	—
l.c.l.	lb.	.15	—
tanks	lb.	.14¼	—
ref., USP, CP, 95%, dms., c.l.,	lb.	.15½	—
l.c.l.	lb.	.15¾	—
tanks	lb.	.15	—
B.P., 98%, dms., c.l.	lb.	.15¾	—
l.c.l.	lb.	.16¼	—
tanks	lb.	.15½	—
yellow, distilled, dms., c.l.	lb.	.14¾	—
l.c.l.	lb.	.14¾	—
tanks	lb.	.14½	—
Glycine, USP, bbls., tins.	lb.	1.25	1.30
Glycol boriborate, dms.	lb.	.22	—
Stearate, dms.	lb.	.26	—
Gold of pleasure seed, bgs.	lb.	No stocks	
Gold chloride, acid-brown, bots.	oz.	20.75	21.00
acid-yellow, bots.	oz.	18.75	19.00
Gold-soda chloride, photo., bots.	oz.	13.00	—
USP IX, bots.	oz.	14.50	14.75
Goldenseal, root, bls.	lb.	7.70	8.00
powd., bxs.	lb.	7.95	8.25
Grains of Paradise, bgs.	lb.	.28	.30
Graphite, conc., dom., crystalline, 80% through 50 mesh, carbon content, 65-70%, bgs., whse., basis	lb.	.04½	—
70-75%, bgs., same basis	lb.	.05	—
75-80%, bgs., same basis	lb.	.05½	—
80-85%, bgs., same basis	lb.	.06	—
85-90%, bgs., same basis	lb.	.07	—
90% and up, same basis..	lb.	.08	—
Grease,[1,6] house, loose.	lb.	.08¼	—
white, choice, loose.	lb.	.08¾	—
Wool (see Adeps lanae and Degras).			
Green, brilliant,[1] thioflavin toner, tungstic, kgs., works..	lb.	3.75	—
molybdic, same basis.	lb.	3.25	—
Chrome,[1,6] CP, dark, light, medium blue content up to 5%, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..	lb.	.23	—
11-15%, bbls., same basis.	lb.	.25	—
20%, bbls., same basis...	lb.	.25½	—
21-25%, bbls., same basis.	lb.	.26	—
26-30%, bbls., same basis.	lb.	.26½	—
31-35%, bbls., same basis.	lb.	.27½	—
36-40%, bbls., same basis.	lb.	.29	—
41-45%, bbls., same basis.	lb.	.30½	—
46-50%, bbls., same basis.	lb.	.33	—
reduced color, 5%, bbls., same basis..	lb.	.06¾	—
9-10%, bbls., same basis.	lb.	.07½	—
11-13%, bbls., same basis.	lb.	.08	—
14-16%, bbls., same basis.	lb.	.08¼	—
17-19%, bbls., same basis.	lb.	.08½	—
20-21%, bbls., same basis.	lb.	.08¾	—
22-23%, bbls., same basis.	lb.	.09	—
24-25%, bbls., same basis.	lb.	.09¼	—
26-27%, bbls., same basis.	lb.	.09½	—
Green, chrome, reduced color, 28-29%, bbls., same basis.	lb.	.10	—
30-31%, bbls., same basis.	lb.	.10½	—
32-33%, bbls., same basis.	lb.	.12	—
34-35%, bbls., same basis.	lb.	.13	—
36-40%, bbls., same basis.	lb.	.14	—
41-45%, bbls., same basis.	lb.	.17	—
46-50%, bbls., same basis.	lb.	.17½	—
51-55%, bbls., same basis.	lb.	.18	—
56-60%, bbls., same basis.	lb.	.18½	—
61-65%, bbls., same basis.	lb.	.19	—
70%, bbls., same basis....	lb.	.20	—
71-75%, bbls., same basis.	lb.	.21	—
Green, chrome, prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City and Wichita, prices are equalized with Chicago.			
Chrome oxide,[6] pure, dms., works.	lb.	.24	—
Malachite[1] thioflavin toner, tungstic, bbls., works.	lb.	3.50	—
molybdic, bbls., works.	lb.	3.00	—
Phthalocyanin,[1] green toner, bbls., works.	lb.	4.00	5.00
tetrahydroxide, bbls.	lb.	.85	—
Paris (see P).			
Tungstated, brilliant, kgs.	lb.	3.00	—
emerald, kgs.	lb.	2.60	—
Verdigris (see V).			
Green dyes (see Dyes, green).			
Grindelia robusta, bls.	lb.	.18	.19
Guaiac resin, cs.	lb.	.48	.49
Wood, bls.	lb.	.05	.06
Guaiacol, carbonate, fib. dms.	lb.	2.40	2.74
liquid, dms.	lb.	1.75	2.01
Guanidin carbonate,[1] bbls., c.l., works.	lb.	.57	—
smaller lots.	lb.	.56	.78½
Guarana, powd., cs.	lb.	2.00	2.10
Gum accroides (see Gum, yacca).			
Aloe (see A).			
Ammoniac, tears, cs.	lb.	1.20	1.25
Arabic, amber, sorts, bgs.	lb.	.12¾	.13
white, sorts, 1, bgs.	lb.	.28	.30
Asafetida (see A).			
Asphaltum (see A).			
Benzoin, Siam, cs.	lb.	3.00	3.50
Sumatra, cs.	lb.	.52	1.00
Camphor (see C).			
Copal, Congo, sorted, No. 30, bgs., c.l., ex dock or port, whse..	lb.	.55¾	—
31, bgs., same basis.	lb.	.21½	—
32, bgs., same basis.	lb.	.15¾	—
33, bgs., same basis.	lb.	.14	—
34, bgs., same basis.	lb.	.09¼	—
35, bgs., same basis.	lb.	.15¾	—
36, bgs., same basis.	lb.	.12¾	—
37, bgs., same basis.	lb.	.18½	—
38, bgs., same basis.	lb.	.12¼	—
39, bgs., same basis.	lb.	.10¾	—
40, bgs., same basis.	lb.	.08	—
41, bgs., same basis.	lb.	.11¾	—
unsorted, No. 1, bgs., same basis..	lb.	.14¾	—
2, bgs., c.l., same basis.	lb.	.12¾	—
3, bgs., c.l., same basis.	lb.	.11¼	—
FAD, bgs., c.l., same basis..	lb.	.14¾	—
Prices for l.c.l., ¼c. to ½c. higher than c.l.			
East India,[1] batu, bold, scraped, c.l., same basis.	lb.	.10¼	—
unscraped, same basis.	lb.	.09	—
chips, same basis.	lb.	.12	—
dust, same basis.	lb.	.06½	—
nubs and chips, same basis..	lb.	.05¾	—
Gum, copal, East India, black, bold, scraped, bgs., ex dock or port, whse.	lb.	.12	—
unscraped	lb.	.07½	—
nubs and chips, same basis..	lb.	.07¼	—
pale, Hiroe-Macassar,[1] bold, bgs., c.l., same basis..	lb.	.17¾	—
chips, same basis.	lb.	.11½	—
dust, same basis.	lb.	.06½	—
nubs, same basis.	lb.	.13¾	—
Singapore, Rasak, bold, bgs., same basis..	lb.	.23¾	—
chips, same basis.	lb.	.11¾	—
dust, same basis.	lb.	.05½	—
nubs, same basis.	lb.	.16¾	—
Macassar,[1] dust., bgs., c.l., same basis..	lb.	.07¾	—
MA, same basis.	lb.	.09¾	—
MB, same basis.	lb.	.09¼	—
WS, bgs., same basis.	lb.	.11¾	—
Manila, Boeas,[1] hard, bold, amber, light, bskts, c.l., same basis..	lb.	.13½	—
dark, light, same basis.	lb.	.14½	—
white, same basis.	lb.	.15½	—
loba,[1] A, bgs., c.l., same basis..	lb.	.14	—
B, same basis.	lb.	.13¾	—
C, same basis.	lb.	.13¾	—
CBB, same basis.	lb.	.12	—
CNE, same basis.	lb.	.10	—
D, same basis.	lb.	.12¾	—
DBB, same basis.	lb.	.11	—
DK, same basis.	lb.	.09½	—
DU, same basis.	lb.	.08¾	—
dust, same basis.	lb.	.07¾	—
MB, same basis.	lb.	.09¼	—
WS, same basis.	lb.	.11¾	—
Manila-Singapore,[1] white split chips, bgs., c.l., same basis,	lb.	.15½	—

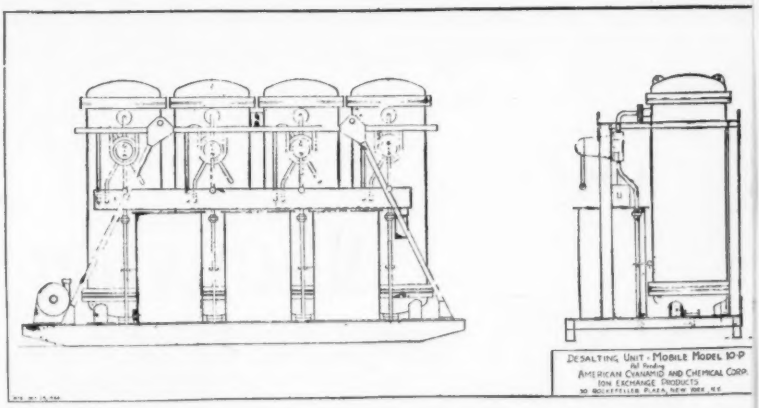
LIFE On The



(*Above*) **PORTABLE FILT-R-STIL ASSEMBLY** for use, for instance, in the petroleum field can be mounted on skids, moved by truck, or permanently installed.

FILT-R-STIL PRODUCES 10 GALLONS OF MINERAL-FREE WATER A MINUTE

A new, economical way of producing the chemical equivalent of distilled water on location is now available with the FILT-R-STIL industrial unit. Brackish water containing up to 4,000 ppm, or even higher, of dissolved salts, is transformed into demineralized water with an average ionizable solids content as low as two ppm as calcium carbonate by means of a "filtration" process employing Ion Exchange Resins. The FILT-R-STIL, developed by Cyanamid's Stamford Laboratories, is produced in several sizes and capacities to meet specific requirements.



(*Above*) **FILT-R-STIL UNITS** of different sizes for varied water demineralizing requirement consist of four treating towers containing beds of Ion Exchange Resins. Raw water is fe under pressure and demineralized water delivered through a conductivity cell. Units, such as above, are equipped with a regenerative system for the reactivation of the Ionac resins

Gum, copal, Manila-Singapore, dust, same basis....lb. .07¾- —
whse., entry point., c.l., lb. .08¾- —
Philippine,[1] Manila, extra bold, pale, scraped, bakts., same basis..lb. .15 - —
sorts, same basis....lb. .12¾- —
pale chips, bold, same basis, lb. .13 - —
nubs, WCB, same basis..lb. .13¾- —
seeds, dust, same basis...lb. .08¾- —
SG, same basis....lb. .10½- —
small chips, same basis..lb. .11¾- —
Pontianak, bold, scraped, bgs., c.l., same basis..lb. .23½- —
mixed, same basis....lb. .17¾- —
chips, small, same basis..lb. .12¾- —
cuttings of split, same basis, lb. .19½- —
nubs, same basis....lb. .18 - —
Gum copal, l.c.l., prices ¼c. to ½c. higher.
Dammar,[1] Batavia, A, cs., c.l., same basis..lb. .35¾- —
A/C, same basis....lb. .31¼- —
A/D, same basis....lb. .28½- —
A/E, same basis....lb. .25⅝- —
B, same basis....lb. .34½- —
C, same basis....lb. .28⅝- —
D, same basis....lb. .25⅝- —
E, same basis....lb. .18¾- —
F, same basis....lb. .13¾- —
dust, same basis....lb. .13¾- —
Singapore,[1] No. 1, cs., c.l. lb. .30½- —
2, bgs., same basis....lb. .25 - —
No. 1, 3 bgs., same basis.lb. .12¾- —
chips, cs., same basis....lb. .23½- —
dust, bgs., same basis....lb. .13 - —
seeds, cs., same basis....lb. .17¾- —
Gum, dammar, l.c.l., prices, ¼c. to ½c. higher.

Gum, elemi,[1] cns., c.l., ex dock or port whse. entry port..lb. .09½- .09¾
Ester, gum rosin type,[1] dms., c.l., divd., Ill., Ind., Ky., Mich., Mid.-Atl. States, N. England States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va..lb. .11½- —
other points, divd....lb. .12 - —
l.c.l., divd. Ill., Ind., etc., lb. .11¾- —
other points, dlvd....lb. .12½- —
Euphorbium, cs....lb. 1.50 Nom.
Galbanum, cs.... ...lb. 1.60 - 1.65
Gamboge, pipe, cs....lb. No stocks
powd., bbls....lb. No stocks
Ghatti, bgs....lb. .25 - .40
Gualac (see Gualac resin).
Karaya, bbls., bxs., dms....lb. .15 - .46
Kauri,[1] brown, chips, extra, bgs., c.l., ex dock, whse..lb. .18 - —
80%, same basis....lb. .16 - —
dust, same basis....lb. .12½- —
nubs, same basis....lb. .24 - —
No. 1, extra, same basis...lb. .34 - —
superior, same basis....lb. .31 - —
No. 2, extra, same basis...lb. .30 - —
superior, same basis....lb. .27½- —
No. 3, same basis....lb. .23 - —
x, same basis....lb. .36 - —
2x, same basis....lb. .49 - —
3x, same basis....lb. .77 - —
bush, assorted, same basis.lb. .35 - —
bold, same basis....lb. .40 - —
bright, same basis....lb. .18 - —
chips, same basis....lb. .32 - —
dark, same basis....lb. .18 - —
white, chips, pale, same basis. lb. .20¾- —
extra, same basis....lb. .25½- —

Gum, kauri, white, dust, pale, same basis..lb. .20¾- —
extra, No. 1, same basis..lb. .43 - —
No. 2, same basis....lb. .31 - —
No. 3, same basis....lb. .30 - —
superior, No. 1, same basis, lb. .41 - —
No. 2, same basis....lb. .31 - —
No. 3, same basis....lb. .22 - —
3x, same basis....lb. .65¾- —
4x, same basis....lb. .66 - —
5x, same basis....lb. 1.50 - —
Gum kauri, l.c.l., prices are ¼c. to ½c. higher.
Locust bean, powd., bbls....lb. .60 - .65
Mastic, cs....lb. 5.00 Nom.
Myrrh, cs....lb. .50 - .60
Olibanum, siftings, cs....lb. .11½- .13
tears, cs....lb. .18 - .30
Opium (see O).
Red (see Gum, Yacca).
Rosin (see R).
Sandarac,[1] cs....lb. .09½- —
Scammony, cs....lb. 1.30 - 1.35
Talha, bgs....lb. .10 - .11
Tragacanth, No. 1, cs....lb. 4.50 - 5.00
No. 2, cs....lb. 4.00 - 4.50
No. 3, cs....lb. 2.75 - 3.00
Yacca,[1] red gum, coarse, bgs., ex dock, whse..lb. .06 - —
powdered ....lb. .07¼- —
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton.22.65 - —
Harlem River, N. Y., frt. equald..ton.28.25 - —
Medicine Lodge, Kan., frt. equald..ton.17.00 - —
New Brighton, N. Y., frt. equald..ton.28.25 - —
Southard, Oklahoma, frt. equald..ton.17.00 - —
Sweetwater, Texas, frt. equald..ton.21.45 - —

Gypsum, plaster of paris, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton.12.50 - —
Blue Rapids, Kan., frt. equald..ton.12.50 - —
Harlem River, N. Y., frt. equald..ton.13.00 - —
Medicine Lodge, Kansas, frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.13.00 - —
Southard, Oklahoma, frt. equald..ton.12.50 - —
Sweetwater, Texas, frt. equald..ton.12.50 - —
Stucco, paper bgs., c.l., f.o.b. Acme, Texas; Akron, N. Y.; Blue Rapids, Kan.; Clarence Center, N. Y.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, Ohio; Harlem River, N. Y.; National City, Mich.; New Brighton, N. Y.; Plasterco, Ga.; Portsmouth, N. H.; Roton, Texas; Southard, Oklahoma; Sweetwater, Texas; frt. equald..ton. 8.00 - —
Saltville, Va....ton. 9.00 - —
Terra alba, paper bgs., c.l., Harlem River, N. Y..ton.12.00 - —
New Brighton, N. Y.; Southard, Okla..ton.12.00 - —

H

Hawthorn berries, bgs....lb. .57 - .60
Heliotropin, cryst., cns....lb. No prices
Hellebore, white, powd., bbls..lb. .46 - .47
Helonias root, bls....lb. 2.50 - 2.55
Hematine, cryst., bbls., No. 1..lb. .34 - —
No. 2....lb. .30 - —
No. 3....lb. .28 - —
No. 4....lb. .26 - —
No. 5....lb. .24 - —
paste, bbls., No. 1....lb. .14½- —
No. 2....lb. .13½- —
No. 3....lb. .12½- —
Hemlock bark extract,[1,6] 25% tan, bbls., c.l., works..lb. No stocks
tanks, works....lb. No stocks
Henbane leaves, bls....lb. .80 - .90
Henna leaves, bls....lb. .17 - .18
powd., bbls., bxs....lb. .22 - .23
Heptane,[1] 56°-100° C., industrial grade, dms., c.l., Group 3. gal. .12½- —
, l.c.l., Group 3....gal. .19 - —
tankcars, Group 2....gal. .10 - —
Heptane, 77° - 115°, industrial, dms., c.l., Group 3..gal. .13 - —
l.c.l., Group 3....gal. .19 - —
tankcars, Group 3....gal. .10½- —
laboratory grade, dms., c.l., Group 3..gal. .16 - —
l.c.l., Group 3....lb. .29 - —
10 gals., Group 3....gal. .55 - —
Hexaldehyde, normal, dms., c.l., works..lb. 1.10 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine,[2,6] tech., bbls., 1,000-lb. lots, Perth Amboy or N.Y.C..lb. .24 - —
smaller lots....lb. .25 - —
USP, dms., 500 lbs. or more, same basis..lb. .35 - —
smaller lots....lb. .36 - —
Hexane,[1] 60°-70° C., industrial grades, dms., c.l., Group 3. gal. .13¼- —
l.c.l., Group 3....gal. .19 - —
tankcars, Group 3....gal. .10½- .11
laboratory grade, dms., c.l., Group 3..gal. .18 - —
l.c.l., Group 3....gal. .29 - —
10 gals., Group 3....gal. .55 - —
Hexanol, norm., dms., l.c.l., works..lb. .25 - —
Homatropine hydrobromide, bots. oz.15.00 -25.00
Hoofmeal, 17-18% ammon., bulk, Chicago..unit. 4.50 - 4.75
Hops, NF, bls....lb. .56 - 1.50
Horehound, bls....lb. .10½- .12
Hydrangea root, bls....lb. No prices
Hydrastine, bots....oz.20.00 - —
Hydrochloride, bots....oz.20.00 - —
Sulphate, bots....oz.29.00 - —
Hydrastinine, 10 grs., bots....bot. 1.95 - —
Hydrastics (see Goldenseal).
Hydrofuramide, dms., fib., cns., works..lb. .30 - .40
Hydrogen peroxide,[6] USP, bbls. lb. .03¾- .04
100 vols., cbys., E. of Miss. River, West Coast via Panama Canal..lb. .15½- .18½
Hydroquinone, bbls., dms....lb. .90 - .94
Hydroxycitronellal, cns....lb. 8.50 - 9.00
dms., extra, ret'able, dlvd...lb. 4.50 - —
Hyoscine hydrobromide, bots..oz.50.00 -70.00
Hyoscyamine, bots....oz.16.00 -20.00
Hydrobromide, bots....oz.16.00 -20.00
Sulphate, bots....oz.16.00 -20.00
Hypernic, cryst., bbls., No. 1..lb. .42 - —
No. 2....lb. .34 - —
extract, bbls., No. 1....lb. .24 - —
No. 2....lb. .16 - —

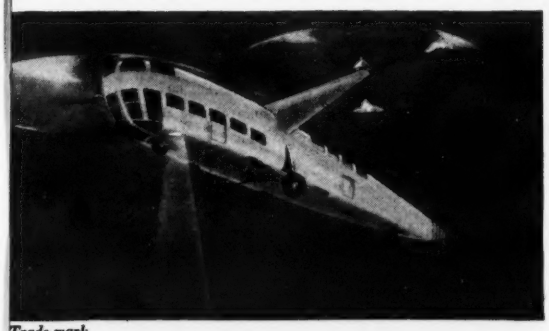
I

Icthammol, N. F., bots....lb. 2.45 - —
Indian red (see Red, Indian).
Indigo, nat., chests....lb. 2.14 - 2.30
synth., paste, bots....lb. .16½- .19
powd., bbls....lb. .74½- .85
Indol, CP, bots....lb.23.00 -24.00
Insect flowers (see Pyrethrum).
Iodine, crude, 25-lb. jars....lb. 1.67 - —
150-lb. kgs., net....lb. 1.28¼- —
resubl., 5-lb. bots., jars....lb. 2.00 - 2.10
Iodoform, 100-lb. dms., kgs....lb. 3.95 - 4.10
jars ....lb. 4.20 - —
Ipecac[6] root, bgs....lb. No prices
powd., bgs....lb. No prices
Irish moss, ordinary, bls....lb. .26 - .28
powd., 80-90 mesh, bbls..lb. .32 - .33
prime bleached, bls....lb. .35 - .40
powd. ....lb. .40 - .50
Iron acetate, liquor, bbls., c.l., dlvd..lb. .17 - —
l.c.l., dlvd....lb. .18 - —
solut., USP IX, 100-lb. cbys.lb. .17 - —
50-lb. djns....lb. .18 - —
Chloride (ferric), tech., anhydr., 300-lb. dms..100 lbs. 4.65 - 6.25
150-lb. dms....100 lbs. 5.00 - 6.00
cryst., bbls., works, frt. alld. lb. .03½- .04
kgs., works, frt. alld..lb. .04 - .04½
USP X, cryst., lump, bbls..lb. .07½- —
dms....lb. .08½- —
solut., NF, cbys., works, frt. alld. or equald..lb. .06½- .07½
djns. ....lb. .10 - —
Citrate, USP VIII, gran., dms., lb. .70 - .75
powd., cns....lb. .84 - .87
Glycerophosphate, bbls., 1,000-lb. lots..lb. 3.30 - —
100-lb. lots....lb. 3.40 - —
cns., 25 lbs....lb. 3.52 - —
Hypophosphite, bbls., dms...lb. 1.50 - 1.52
Iodide, bots....lb. 3.18 - 3.32
syrup, bots., cbys....lb. .39 - .53

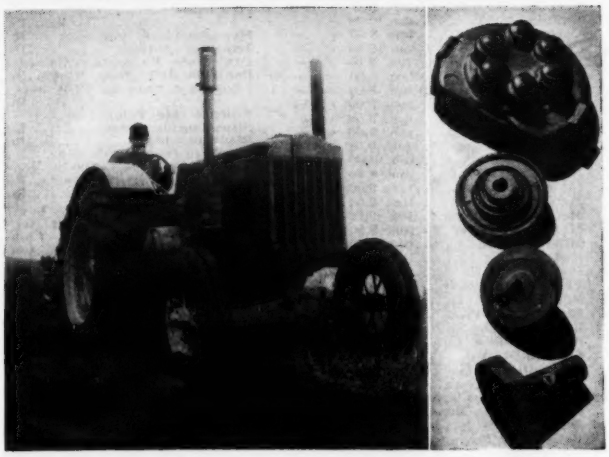
Chemical Newsfront

(Above) **FOR PROTECTION AGAINST ARCTIC SNOW AND JUNGLE RAINS,** treme conditions met by the armed forces, water repellent ishes are now being given to fabrics for outer wear with yanamid's PARAMUL**115. It pregnates fibers with wax with-t any stiffening effects, is easy and economical to apply and now available for general textile processing use.

(Below) **TWO-ROTOR HELI-BUS** for intercity travel . . . another potential" in the field of new design developments where new, proved protective surface coatings for which Cyanamid resins, w being used for war essential finishes, will be in demand.



*Trade-mark



(Above) **DISTRIBUTOR PARTS** made of Cyanamid's MELMAC* plastic add to the life and efficiency of commercial type magnetos for tractors, combines, and heavy-duty machinery because of their high heat resistance, non-inflammability, and resistance to arc tracking.

*Reg. U. S. Pat. Off.

American Cyanamid & Chemical Corporation

A Unit of American Cyanamid Company

30 ROCKEFELLER PLAZA · NEW YORK 20, N. Y.

Iron naphthenate,[6] 6% fe, 50-gal. dms..lb. .15 - —
Nitrate, red, tech., dms.....lb. .03½- .04
Oxalate, gran., dms.....lb. .83 - .85
powd., cns.....lb. .52 - —
kgs.....lb. .47 - .49
Oxide, black (see Black, iron oxide).
Phosphate, soluble, NF, gran., cns..lb. .54 - .57
Pyrophosphate, gran., cns..lb. .59 - .62
Reduced, 90%, kgs.....lb. .65 - .75
Resinate,[1,6] 7.4% Fe, 100-lb. dms..lb. .17½- —
Sulphate, tech. (see Copperas and Ferric sulphate).
USP, cryst., bbls., dms....lb. .05½- .11
Tallate, 4% Fe, 50-gal. dms..lb. .10¼- —
Iron-ammonia citrate, brown, green, gran., pearls, dms.lb. .33 - .38
scales, dms.....lb. .49 - .52
Oxalate, bbls.....lb. .23½- —
dms., kgs.....lb. .25½- .26½
Iron-soda oxalate, bbls., dms..lb. .23½- .26½
Isobornyl acetate, cns., works.lb. .85 - .90
Isobutyl acetate,[6] dms., works.lb. .0860- —
tanks, works.....lb. .0760- —
Propionate, dms., works....lb. .102 - —
Isoeugenol, cns., works.....lb. 4.05 - 4.25
Isopentane, dms., works.....lb. .45 - .55
Isophorone, dms., works.....lb. .25 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate,[6] dms., c.l., E. of Rockies, frt. alld..lb. .11 - —
l.c.l., E. of Rockies, frt. alld..lb. .11½- .12
tanks, E. of Rockies, frt. alld. lb. .10 - —
Alcohol (see Alcohol).
Ether, dms., c.l.....lb. .06 - —
l.c.l.....lb. .06½- —
tanks.....lb. .04½- —
Isopropylamine, dms., works..lb. .35 - —

J

Jaborandi leaves, bls.....lb. .09 - .10
Jalap root, NF, bls.....lb. .37 - .38
powd., bbls., bxs.....lb. .44 - .45
Resin, lump, cns.....lb. 5.85 - —
powd., bxs.....lb. 5.90 - —
Juniper berries, dom., bgs.....lb. .75 - .80

K

Kamala, tins.....lb. .40 - .45
Kaolin (see China clay).
Kava kava root, bls.....lb. .33 - .34
Kerosene, at refinery:—
Ark., 41-44 w.w., bulk, tanks. gal. .04½- —
Bayonne, 41-43 w.w., tanks... gal. .071 - —
Gulf ports, 41-43 w.w., bulk. gal. .04½- —
Okla.-Tex., 41-43 w.w., tanks. gal. .04¾- —
Penn., 45 w.w., tanks....gal. .065 - .0755
46 w.w., tanks.....gal. .0775- .0895
San Francisco, tanks.....gal. .11½- —
Kola nuts, bgs.....lb. .09 - .10

L

Lady slipper root, bls.....lb. 1.40 - 1.55
Lanolin (see Adeps lanae).
Lard,[1,6] pure, ref., trcs.....lb. .15 22½- —
prime steam, trcs.....lb. .1448- —
Larkspur seed, bgs.....lb. 2.75 - 3.00
Laurel berries, bls.....lb. .25 - .26
Laurel leaves, Cyprus, bls....lb. .25 - .26
Greek, bls.....lb. No stocks
Portuguese, bls.....lb. .17 - .18
Turkish, bls.....lb. .29 - .30
Lavender flowers, medium, bls.lb. .80 - —
ordinary, bls.....lb. .45 - .50
select, bls.....lb. .90 - .95
Lead,[1,6] (metal) (see paint market).
Acetate,[1] white, broken, bbls.lb. .12½- —
cryst., bbls.....lb. .12½- —
gran., powd., bbls.....lb. .13¼- —
Arsenate,[1,6] basic, powder, 3-lb. bgs. or larger, c.l..lb. .11½- .12
l.c.l.....lb. .12 - .12½
1-lb. ctns., c.l.....lb. .18½- .22½
l.c.l.....lb. .19 - .23
standard, powder, 3-lb. bgs. or larger, c.l..lb. .11 - .11½
1-lb. bgs., c.l.....lb. .16 - .20
l.c.l.....lb. .16½- .20½
1-lb. ctns., c.l.....lb. .18 - .22
l.c.l.....lb. .18½- .23½
½-lb. ctns., c.l.....lb. .21 - .25
l.c.l.....lb. .21½- .25½

Inside column is maximum OPA prices for manufacturers or distributors; outside column for all other purchasers. Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 90 lbs. or over; no frt. or truck allowance for works or whse. pick-ups.

Blue, basic sulphate, bbls., c.l., dlvd. E..lb. .07½- —
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo..lb. .07¾- —
l.c.l., dlvd. E.....lb. .07¾- —
Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo..lb. .08 - —
Carbonate (see Lead, white).
Chloride, fib, dms.....lb. .49 - —
Iodide, NF V, powd., bots...lb. 2.80 - —
jars.....lb. 2.69 - —
Linoleate, pale, precip., bbls.lb. .22½- —
Metallic paste, works.....lb. .19¾- .21½
Naphthenate, 24%-30% Pb, 50-gal. dms..lb. .14¼- .17½
Nitrate, bbls.....lb. .12½- —
Oleate, bbls.....lb. .17¾- —
Peroxide, powd., tech., bbls..lb. .28 - —
Red, 95% or less Pb_3O_4, bbls., c.l. (20 tons), dlvd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .09¼- —
other points.....lb. .09 - —
l.c.l., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. Cascade Mts. in Ore. and Wash..lb. .09¾- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .10¼- —
Colo., Mont., N. Mex., other points.....lb. .09½- —
smaller lots, Ala., etc. lb. .10¼- —
Ariz., etc.....lb. .10¾- —
Colo., etc.....lb. .10½- —
other points.....lb. .10 - —
97% Pb_3O_4, bbls., c.l., dlvd. Ala., etc..lb. .09½- —
other points.....lb. .09¾- —
Lead, red, 97% Pb_3O_4, bbls., l.c.l., 5 tons, dlvd. Ala., etc..lb. .10 - —
Ariz., etc.....lb. .10½- —
Colo., etc.....lb. .10¾- —
other points.....lb. .09¾- —
smaller lots, dlvd. Ala., etc..lb. .10¾- —
Ariz., etc.....lb. .11 - —
Colo., etc.....lb. .10¾- —
other points.....lb. .10¼- —
smaller lots, dlvd., Ala., etc..lb. .10½- —
Ariz., etc.....lb. .11¼- —
Colo., etc.....lb. .11 - —
other points.....lb. .10½- —
in oil, 95% min., kgs.....lb. .14 - —
Resinate, precip.,[6] 23.3% Pb, 100-lb. dms..lb. .17½- —
Silicate, bgs.....lb. .0730- .0780
Soyate, 26.15% Pb, 50-gal. dms. lb. .22¾- —
Stearate, bbls.....lb. .31 - .33
Sulphate (see Lead, white, basic sulphate).
Tallate, 10% Pb., 60-gal. dms. lb. .06¼- —
Titanate, bgs., bbls., c.l., works, frt. alld..lb. .11 - —
l.c.l., 5 tons, one delivery, E., frt. alld..lb. .11¼- —
Pac. Cst., ex whse..lb. .11½- —
smaller lots, E. frt. alld. lb. .11½- —
Pac. Cst., ex whse..lb. .11¾- —
White, basic carbonate, dry, bbls., c.l., dlvd. Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash., and Wyo..lb. .08½- —
dlvd. other points..lb. .08¼- —
l.c.l., dlvd. Ariz., etc.lb. .08¾- —
other points.....lb. .08½- —
basic sulphate, dry, bbls., c.l., dlvd. Ariz., etc..lb. .07½- —
other points.....lb. .07¾- —
l.c.l., dlvd. Ariz., etc..lb. .08 - —
other points.....lb. .07½- —
in oil, consumers, kgs.....lb. .13¾- .13¾
dealers, 100-lb. kg.....lb. .11¼- .11½
painters, 100-lb. kg.....lb. .12¼- .12½
Lecithin, edible, dms., c.l.....lb. .25¾- —
l.c.l.....lb. .26½- .45
in cocoa butter, dms., c.l..lb. .39½- —
l.c.l.....lb. .40¾- .59
pure vegetable, bots., 100-lb. lots..lb. 2.75 - —
tech., dms., c.l.....lb. .25¼- —
l.c.l.....lb. .26½- .45
Lemon peel, bls.....lb. .30 - .35
Licorice extract, mass, cns....lb. .25 - .72
powd., bbls.....lb. .60 - .68
root, natural, Indian, bls....lb. .12 - .14
powder, bbls.....lb. .18 - .20
Russian, bls.....lb. .12 - .18
Spanish, bls.....lb. .12 - .13
Turkish, bls.....lb. .12 - .13
Lignin extract, tanning grade, bgs., c.l., works..lb. .04 - —
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b.—
Adams, Mass.....ton. 8.00 - —
Annville, Pa.....ton. 7.50 - —
Bellefonte, Pa.....ton. 7.50 - —
Berkley, W. Va.....ton. 7.50 - —
Carey, Ohio.....ton. 7.00 - —
Cedar Hollow, Pa....ton. 8.50 - —
Crab Orchard, Tenn..ton. 6.25 - —
Eagle Mountain, Va..ton. 7.00 - —
Farnams, Mass.....ton. 8.00 - —
Gibsonburg, Ohio.....ton. 7.00 - —
Hannibal, Mo.....ton. 6.50 - —
Keystone, Ala.....ton. 6.25 - —
Knoxville, Tenn.....ton. 6.25 - —
Limedale, Ark.....ton. 7.00 - —
Longview, Ala.....ton. 6.25 - —
Manistique, Mich....ton. 8.00 - —
Martinsburg, W. Va..ton. 7.50 - —
Menominee, Mich....ton. 8.00 - —
Mitchell, Ind.....ton. 6.50 - —
Newala, Ala.....ton. 6.25 - —
Rincon, Cal.....ton. 13.00 - —
Riverton, Va.....ton. 7.00 - —
Ripplemead, Va.....ton. 7.00 - —
Rockland, Me.....ton. 8.00 - —
San Francisco, Cal...ton. 13.00 - —
Scioto, Ohio.....ton. 6.50 - —
Springfield, Mo.....ton. 7.00 - —
Woodville, Ohio.....ton. 7.00 - —
York, Pa.....ton. 7.50 - —
Hydrated, paper bags, f.o.b. Adams, Mass..ton. 9.00 - —
Annville, Pa.....ton. 9.00 - —
Bellefonte, Pa.....ton. 9.00 - —
Berkley, W. Va.....ton. 9.00 - —
Buffalo, N. Y.....ton. 10.00 - —
Carey, Ohio.....ton. 8.50 - —
Cedar Hollow, Pa....ton. 10.00 - —
Crab Orchard, Tenn..ton. 9.00 - —
Eagle Mountain, Va.ton. 8.50 - —
Farnams, Mass.....ton. 9.00 - —
Gibsonburg, Ohio....ton. 9.00 - —
Hannibal, Mo.....ton. 9.00 - —
Keystone, Ala.....ton. 9.00 - —
Knoxville, Tenn.....ton. 9.00 - —
Le Roy, Minn.....ton. 10.00 - —
Lime Crest, N. J.....ton. 8.50 - —
Limedale, Ark.....ton. 9.00 - —
Manistique, Mich....ton. 9.50 - —
Marblehead, Ohio....ton. 9.50 - —
Martinsburg, W. Va.ton. 9.00 - —
Mitchell, Ind.....ton. 9.00 - —
Newala, Ala.....ton. 9.00 - —
Potoskey, Mich.....ton. 9.00 - —
Port Island, Mich....ton. 9.00 - —
Rapid City, S. D.....ton. 12.00 - —
Ripplemead, Va.....ton. 9.00 - —
Rockland, Me.....ton. 9.00 - —
San Francisco, Cal...ton. 16.00 - —
Springfield, Mo.....ton. 9.00 - —
Woodville, Ohio.....ton. 9.00 - —
York, Pa.....ton. 9.00 - —
Spray, paper bgs., f.o.b. Adams, Mass..ton. 10.00 - —
Annville, Pa.....ton. 9.50 - —
Bellefonte, Pa.....ton. 9.50 - —
Carey, Ohio.....ton. 11.00 - —
Farnams, Mass.....ton. 10.00 - —
Gibsonburg, Ohio....ton. 11.00 - —
Lime Crest, N. J.....ton. 9.00 - —
Marblehead, Ohio....ton. 11.00 - —
Scioto, Ohio.....ton. 10.00 - —
Woodville, Ohio.....ton. 11.00 - —
York, Pa.....ton. 9.50 - —
Lime salts (see Calcium).
Lime-ammonia-nitrogen[6] 20.5% N. (See Ammonia, Nitrate, Limestone).
Linalool, cns.....lb. 7.25 - 8.00
Linalyl acetate, cns.....lb. 3.60 - 3.75
Linden flowers with leaves, bls.. lb. .90 - 1.00
Linseed meal,[1] 34%, bulk, c.l..ton. 45.00 - —
32%, bulk, c.l.....ton. 43.00 - —
Litharge, com'l, powd., bbls., c.l., dlvd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo. and E. of Cascade Mts. in Ore. and Wash..lb. .08¼- —
other points.....lb. .08 - —
Litharge, com'l, powd., bbls., l.c.l., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash. lb. .08¾- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .09¼- —
Colo., Mont., N. Mex., Wyo..lb. .09 - —
Other points.....lb. .08½- —
smaller lots, dlvd. Ala., etc..lb. .09¼- —
Ariz., etc.....lb. .09¾- —
Colo., etc.....lb. .09½- —
Other points.....lb. .09 - —
Rockland, Me.....ton. 10.00 - —
Lithium bromide, bbls., 100 lbs., works, frt. equald..lb. 1.90 - —
smaller lots, works.....lb. 1.92 - 1.95
Carbonate, NF, 250-lb. bbls., kgs..lb. 1.25 - 1.30
Chloride, jars.....lb. 1.65 - 1.70
Citrate, bbls., dms., kgs.....lb. 1.40 - 1.45
Fluoride, bbls.....lb. 2.45 - 2.60
Hydroxide, jars.....lb. 1.25 - 1.40
Iodide, 5-lb. bots.....lb. 5.20 - —
25-lb. jars.....lb. 5.05 - —
Stearate, fib. dms., 3 tons, works..lb. .50 - —
Lithopone,[1] ordinary, bgs. (20 tons)..lb. .04½- —
smaller lots.....lb. .04½- —
bbls., c.l. (20 tons).....lb. .04½- —
smaller lots.....lb. .04¾- —
titanate,[6] (high-strength), bgs., c.l...lb. .0560- —
smaller lots.....lb. .0585- —
bbls., c.l.....lb. .0585- —
smaller lots.....lb. .0610- —
Lithopone, c.l., dlvd. Pac. Cst., ½c. higher; l.c.l., ex whse. Pac. Cst., ½c. higher.
Liverwort leaves, bls.....lb. .85 - .90
Lobelia herb, bls.....lb. 1.00 - 1.05
Lobeline sulphate, bots., wks.oz. 25.50 - 38.00
Logwood, cryst., No. 1, bbls...lb. .28 - —
No. 2, bbls.....lb. .26 - —
extract, liquid, No. 1, bbls..lb. .14 - —
No. 2, bbls.....lb. .13 - —
No. 3, bbls.....lb. .12½- —
No. 4, bbls.....lb. .10 - —
solid, No. 1, bxs.....lb. .23½- —
No. 2, bxs.....lb. .21½- —
Lovage (ligusticum actae folium) root, dom., bls..lb. 1.20 - 1.50
Lupulin, NF, tins.....lb. 11.00 Nom.
Lycopodium, USP, cs.....lb. 2.50 - 2.75

M

Mace,[1] Amboyna, cs.....lb. .77 Nom.
Banda, cs.....lb. .98 Nom.
West Indian, bgs.....lb. .62 Nom.
No. 1, bgs.....lb. .60 Nom.
broken, bgs.....lb. .55 Nom.
Madder, Dutch, bbls.....lb. .24 - .30
Magnesia arsenate,[1,6] dms.....lb. .153 - .18
Calcined, tech., USP, bbls., works..lb. .26 - —
Carbonate, tech., Zone 1, c.l., bgs..lb. .06¼- —
bbls.....lb. .07½- —
kgs.....lb. .08¾- —
l.c.l., bgs.....lb. .07¼- —
bbls.....lb. .08½- —
kgs.....lb. .09¾- —
Zone 2, c.l., bgs.....lb. .06¼- —
bbls.....lb. .07½- —
kgs.....lb. .08¾- —
l.c.l., bgs.....lb. .07 - —
bbls.....lb. .08¼- —
kgs.....lb. .09½- —
USP, Zone 1, c.l., bgs.....lb. .08 - —
bbls.....lb. .08½- —
kgs.....lb. .09¾- —
l.c.l., bgs.....lb. .09 - —
bbls.....lb. .09½- —
kgs.....lb. .10¾- —
Zone 2, c.l., bgs.....lb. .08 - —
bbls.....lb. .08½- —
kgs.....lb. .09¾- —
l.c.l., bgs.....lb. .09¼- —
bbls.....lb. .10½- —
kgs.....lb. .11¾- —

Magnesia carbonate:—Zone 1—Conn., Del., D. of C., Md., Mass., N. J., N. Y., Pa. and R. I. Zone 2—Balance of U. S. Frt. alld. Phillipsburg, Plymouth Meeting and Valley Forge. Freight allowed on l.c.l. incl., dlvd. storedoor.

Chloride, anhyd., bbls., dlvd..lb. .12¾- —
flake, bbls., c.l., works...ton. 32.00 - —
l.c.l., works.....ton. 39.00 - 42.00
Fluoride, bbls.....lb. .20 - .21
Hydroxide, med., bbls., dms., kgs..lb. .29 - .30
Hypophosphite, cns.....lb. 1.45 - —
Laurate, bbls.....lb. .33 - .35
Oxide (see Magnesia, calcined).
Peroxide, 15%, dms., works..lb. 1.00 - 1.35
Phosphate, tribasic, USP, bbls., lb. .60 - —
Silicate (see Talc).
Silicofluoride, bbls.....lb. .08 - .09
Stearate, bbls.....lb. .31 - .32
Sulphate (see Epsom salt).
Trisilicate, dms., 1,000-lb. contracts..lb. .37 - —
smaller lots, dms.....lb. .42 - —
Magnesite, cal., powd., bags, f.o.b. mines, Calif..ton. 58.75 - —
dead-burnt[1] bulk, c.l., f.o.b. Chewelah, Wash..ton. 22.00 - 32.00
Maleic anhydride,[6] dms., c.l....lb. .25 - —
l.c.l.....lb. .26 - —
Malva flowers, black, bls.....lb. No stocks
blue, bls.....lb. No stocks
Leaves, bls.....lb. .38 - .40
Manaca root, bls.....lb. .23 - .24
Mandrake root, bls.....lb. .23 - .28
Manganese acetate, dms.....lb. .23½- —
Arsenate,[6] bgs.....lb. .12 - .12¾
Borate, tech., bbls.....lb. .16 - .18
Carbonate, bbls.....lb. .19 - —
Chloride, anhyd., bbls.....lb. .15 - .16
Dioxide, African, battery, 84-87%, bbls., 28-40 tons, works. ton. 74.00 - —
5-15 tons, works..ton. 77.00 - —
smaller lots, works.ton. 82.00 - —
Caucasian, 85-90%, bbls., c.l., works..ton. 74.00 - —
l.c.l., 5 tons, works..ton. 77.00 - —
smaller lots, works..ton. 82.00 - —
burlap bgs., c.l., works, ton. 71.75 - —
l.c.l., 5 tons, works..ton. 74.75 - —
smaller lots, works..ton. 79.75 - —
paper bgs., c.l., works..ton. 70.00 - —
l.c.l., 5 tons, works..ton. 73.00 - —
Glycerophosphate, bgs., bbls., 1,000-lb. lots..lb. 3.05 - —
100-lb. lots.....lb. 3.15 - —
cns., 25 lbs.....lb. 3.27 - —
Hydrate, bbls., dlvd.....lb. .26 - —
Iodide, bots., 5 lbs.....lb. 5.70 - —
jars, 25 lbs.....lb. 5.55 - —
Linoleate, liquid, 4%, dms..lb. .20 - —
solid, precip., 8.2%, bbls...lb. .22 - —
Napthenate, 6% Mn, 50-gal. dms..gal. .16 - —
Resinate, fused, 3½%, bbls..lb. .09 - .16½
precip., dms.....lb. .14½- .15½
Soyate, 8.2% Me, 50-gal. dms. lb. .22 - —
Manganese sulphate, anhyd., dms., works..lb. No stocks
feed grade, 77-80%, bgs....lb. .04 - .05
fertilizer, 65%, $MnSO_4$, bgs., c.l., dlvd. East..ton. 59.50 - —
l.c.l., same basis or f.o.b. Balto. and Cincinnati.. ton. 68.50 - —
industrial grade, 80%, $MnSO_4$, bgs..lb. .05 - .05¾
Tallate, 4% Mn, 50-gal. dms.lb. .09 - —
Mangrove bark, E. Afr.....ton. 65.00 - 66.00
Manna flake, cs.....lb. No stocks
Mannitol,[6] com'l grade, bbls., works..lb. .35 - .40
reagent grade, 50-lb. cs. or multiples, works..lb. .85 - —
Manure, sheep, bgs., c.l., Midwest shipping points..ton. 14.50 20.00
kiln-dried, bgs., c.l., f.o.b. Chicago..ton. 17.50 - 25.00
Marjoram, Argentine, bls.....lb. .24 - .25
California, French type, bls., f.o.b. Pacific Coast..lb. .47 - .48
Chilean, bls.....lb. .21 - .22
Matico leaves, bls.....lb. .22 - .29
Menadione, USP, bots....gram. .10 - —
Menthol, tech., synth., cns....lb. 5.00 - 6.00
USP, natural, cns.....lb. 12.75 - 13.00
synth., cns.....lb. 13.00 - —
racemic, cns.....lb. 8.60 - 9.15
Menthyl salicylate, tins.....lb. 3.00 - 3.10
Mercurial ointment, USP, mild, 10%, tubs..lb. .70 - .72
30%, pails.....lb. 1.23 - 1.34
50%, pails.....lb. 1.69 - 1.71
Mercury bichloride[2] (see Corrosive sublimate).
Bisulphate,[2] cms.....lb. 2.45 - 2.47
Chloride,[2] (see Calomel).
Cyanide,[2] cryst., powd.....lb. 2.72 - —
Iodide,[2] red, NF, dms., kgs..lb. 4.38 - —
yellow, fib. dms., kgs.....lb. 4.48 - —
Nitrate ointment (see Citrine ointment).
Oxide,[2] NF (see Red, precipitated).
tech. (see Red, mercury, oxide).
yellow, NF VI, fib. dms...lb. 3.07 - 3.09
red,[2] NF (see Red, precipitate).
tech. (see Yellow, mercury oxide).
Mercury and chalk,[2] 5-lb. ctns.lb. 1.66 - 1.71
dms.....lb. 1.59 - 1.61
Mesityl oxide, dms., c.l., dlvd..lb. .11½- —
l.c.l., dlvd.....lb. .12 - —
tanks.....lb. .10½- —
Metal leaf, composition, 5½x5½ in..pkg. 3.00 - —
Gold X+, deep, 23, 3⅜x3⅜ in. pkg. 15.00 - —
Silver, 3⅜x3⅜ in.....pkg. 3.00 - —
Metanitroparatoluidin, bbls....lb. 1.05 - 1.10
Metaphenylenediamine, kgs....lb. .65 - —
Metatoluylenediamine, kgs.....lb. .70 - —
Methanol,[1,2,6] natural, all grades, dms., c.l., E. of Miss. R. gal. .63 - .66
l.c.l., same basis.....gal. .73 - .76
tanks, same basis.....gal. .60 - —

Inside prices on natural methanol are drums extra; outside drums included. Prices W. of Miss. R. 3c. higher.

synthetic, dms. c.l., Zone 1, frt. alld..gal. .31 - —
2, frt. alld. or dlvd...gal. .34 - —
3, frt. alld.....gal. .38 - —
4, frt. alld.....gal. .38 - —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .36 - —
2, frt. alld.....gal. .43 - —
3, dlvd. S. F. and L. A., gal. .41 - —
4, frt. alld. or dlvd...gal. .51½- —
tanks, Zone 1, frt. alld...gal. .24 - —
2, frt. alld.....gal. .27 - —
3, frt. alld.....gal. .29 - —
4, frt. alld.....gal. .29 - —

Synthetic methanol zones are:—Zone 1—Conn., Del., D. C., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb., N. H., N. J., N. Y., N. C., O., Pa., R. I., S. C., Tenn., Vt., Va., W. Va., and Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kan., La., Miss., N. Mex., N. Dak., Okla., S. Dak., Tex., and Wyo. Zone 3—Los Angeles and San Francisco. Zone 4—Ariz., Calif. (with exception of Los Angeles and San Francisco), Ida., Mont., Nev., Ore., Utah, and Wash. Buyers in Zone 4 have the option of buying at the delivered Zone 4 price or at the Zone 3 price, f.o.b. Los Angeles and San Francisco.

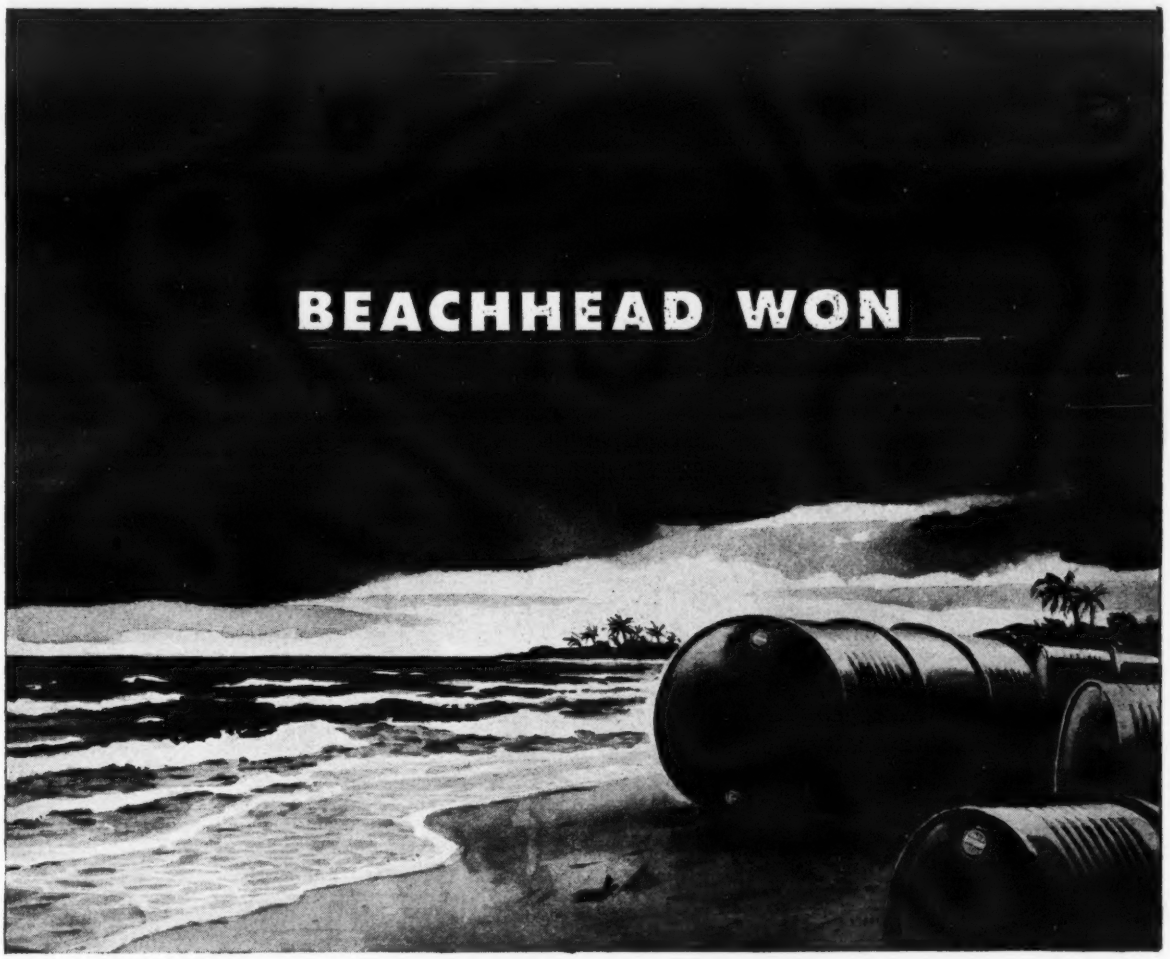
Methyl abietate, non-ret. dms., c.l., dlvd...lb. .0750- —
l.c.l., 10-dm. lots, dlvd...lb. .0875- —
single dms., dlvd.....lb. .0975- —
smaller cont., dlvd.....lb. .1475- —
hydrogenated, non-ret., dms., c.l., dlvd..lb. .1150- —
l.c.l., 10-dm. lots, dlvd...lb. .1275- —
single dms., dlvd.....lb. .1375- —
smaller cont., dlvd.....lb. .1875- —
Acetate, CP, 97-99%, dms., c.l., E. of Miss..lb. .10½- .12
W. of Miss.....lb. .11½- .12
l.c.l., E. of Miss.....lb. .11 - .14
W. of Miss.....lb. .12 - .13½
tanks, E. of Miss.....lb. .09½- —
W. of Miss.....lb. .10½- —
tech., dms., c.l., E. of Miss. lb. .07 - .09
W. of Miss.....lb. .08 - —
l.c.l., E. of Miss.....lb. .07½- .11
W. of Miss.....lb. .08½- .10¼
tanks, E. of Miss.....lb. .06 - —
W. of Miss.....lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld..gal. .29½- —
Acetone, natural, Group A, dms., c.l., E. of Miss., frt. alld..gal. .66 - —
l.c.l., same basis....gal. .76 - —
tanks, same basis.....gal. .60 - —

Natural methyl acetone quoted dms., included by Group A. Prices W. of Miss. R., 3c. per gal. higher.

Group B, dms., c.l., Zone 1, frt. alld..gal. .63 - —
Zone 2, same basis.gal. .65 - —
Zone 3, same basis.gal. .67 - —
Zone 4, same basis.gal. .69 - —
l.c.l., Zone 1, same basis, gal. .66 - —
Zone 2, same basis.gal. .83 - —
Zone 3, same basis.gal. .70 - —
Zone 4, same basis.gal. .83 - —
tanks, Zone 1, same basis, gal. .60 - —
Zone 2, same basis.gal. .62 - —
Zone 3, same basis.gal. .64 - —
Zone 4, same basis.gal. .64½- —

Natural methyl acetone quoted drums extra by Group B. Sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo. Zone 3—Los A., San Fran., Seattle, Wash.; Portland, Ore. Zone 4—Ariz., Cal., Idaho, Mont., N. Mex., Nev., Ore., Utah, Wash.

synthetic, dms., c.l., Zone 1.. gal. .51 - —
Zone 2.....gal. .52 - —
Zone 3.....gal. .53½- —
Zone 4.....gal. .54½- —



When is a beachhead won? When the first wave lands? The second? Third? No — not even when tanks and artillery are ashore. A beachhead is won when a *fuel* dump is established, fuel that will keep tanks and tractors moving — and, as soon as possible, planes flying.

When you read of a "beachhead won", you can be sure that a good stock of fuel drums are on that beach. You can be sure, too, that the fuel inside those drums — the fine gas and oil that America proudly sends overseas — is completely *protected* from rain and dust.

On beachheads that have made history, the protection of millions of gallons of gas and oil has been entrusted to Tri-Sure Closures. And these closures have never failed to do that job. Through pounding surf and tropical storms, they have guarded the contents of drums — to deliver water-free, dust-free fuel to where only that kind of fuel is good enough.

Only Tri-Sure's seal, plug *and* flange *can give drums the exclusive Tri-Sure* triple *protection.*

Tri-Sure
Reg. U. S. Pat. Off.
CLOSURES

For safe, seepage-proof deliveries under all conditions, always specify "Tri-Sure fitted drums."

AMERICAN FLANGE & MANUFACTURING CO. INC., 30 ROCKEFELLER PLAZA, NEW YORK 20, N. Y.
TRI-SURE PRODUCTS LIMITED, ST. CATHARINES, ONTARIO, CANADA

Methyl acetone, synth., dms., l.c.l., Zone 1 ..... gal. .64½- —
Zone 2 ..... gal. .57 - —
Zone 3 ..... gal. .58 - —
Zone 4 ..... gal. .59½- —
tanks, Zone 1 ..... gal. .43 - —
Zone 2 ..... gal. .44½- —
Zone 3 ..... gal. .45½- —
Zone 4 ..... gal. .45½- —

Synthetic methyl acetone sales zones are:—Zone 1—Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo. Zone 3—Los Angeles, Cal.; San Francisco, Cal.; also (c.l. only) Portland, Ore., and Seattle, Wash. Zone 4—Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

Alcohol (see Methanol).

Anthranilate, 100-lb. lots .... lb. 2.20 - 2.50
25-lb. lots, bots ..... lb. 2.35 - 2.65
Benzoate,[6] cns ..... lb. .55 - 1.00
Bromide, cns ..... lb. .75 - .80
cyls. ..... lb. .65 - .75
Chloride, refrigeration, 500 lbs. and up, machine mfrs. and jobbers, cylinders .. lb. .32 - —
service men and consumers, cyl .. lb. .36 - —
50 to 400 lbs., cyl., mach. mfrs. and jobbers .. lb. .36 - —
servicemen and consumers, lb. .40 - —
tanks, multi-unit, machine mfrs. and jobbers .. lb. .31 - —
service men and consumers, lb. .36 - .40

Methyl chloride quotations are spot or contract, ship. point. Prices above are in 60, 90 and 180-lb. cylinders. Prices on the 20-lb. cylinders, uniformly 10c. per pound higher.

Methyl cinnamate, cns ..... lb. 1.50 - 4.00
Formate, dms ..... lb. .80 - —
Iodide, bots ..... lb. 4.00 - 4.15
Lactate, dms., c.l., dlvd ..... lb. No stocks
Oleate, dms., c.l. ..... lb. .35 - —
Salicylate,[1] 500-lb. dms ..... lb. .35 - —
25-50 lbs. ..... lb. .37 - .38
Methylamyl ketone, dms., cns., works .. lb. .25 - .28
Methylcellulose, specl., vis. (4,000 cps.), fib. ctns., 2,000 lbs. or more, frt. alld .. lb. .60 - —
100 to 1,999 lbs., frt. alld .. lb. .65 - —
1 to 99 lbs., works ..... lb. .70 - —
standard vis. (15-1,500 cps.), fib. ctns., 2,000 lbs. or more, frt. alld .. lb. .53 - —
100 to 1,999 lbs., frt. alld., lb. .58 - —
1 to 99 lbs., works ..... lb. .63 - —
Methylcyclohexane, 98-100%, dms., works .. lb. .16 - —
Methylcyclohexanol, 98-100%, dms., works .. lb. .23 - —
Methylcyclohexanone, 98-100%, dms., works .. lb. No stocks
Methylene blue, USP, kgs. 100 lbs. 2.00 - 2.15
cns., 5 lbs. ..... lb. 2.35 - —
Chloride, refrig., dms., wks .. lb. .18 - .28
solvent, dms., works ..... lb. .12 - .15
Methylethyl ketone,[6] dms., E. of Rocky Mts .. lb. .09 - —
l.c.l., same basis ..... lb. .09½- —
tanks, same basis ..... lb. .08 - —
Methylhexyl ketone, dms., tech., works .. lb. .60 - —
Methylisobutyl ketone,[6] dms., c.l., dlvd .. lb. .12½- —
l.c.l., dlvd ..... lb. .13 - —
tanks, dlvd ..... lb. .11½- —
Methylnaphthyl ketone, crystl., cns .. lb. No stocks
Methylpentanediol, dms., c.l., wks. lb. .16 - —
l.c.l., works ..... lb. .16½- —
1 and 5-gal. cont., works .. lb. .20½- .22½
tanks, works ..... lb. .15 - —

Mica, dry grd.,[1] roofing, white, 20 mesh, bgs., c.l., f.o.b. works .. ton. 27.50 - —
l.c.l. ..... ton. 32.50 - —
30-31 mesh, bgs., c.l. .. ton. 27.50 - —
l.c.l. ..... ton. 32.50 - —
40-45 mesh, bgs., c.l. .. ton. 27.50 - —
l.c.l. ..... ton. 32.50 - —
80 mesh, bgs., c.l. .... ton. 35.00 - —
l.c.l. ..... ton. 38.00 - —
paint, plastic, 100 mesh, c.l., bgs .. ton. 40.00 - —
l.c.l. ..... ton. 43.50 - —
wet-grd.,[1] biotite, c.l., bgs .. lb. .04 - —
1,000 mesh, bgs., c.l. ..... lb. .03¾- —
l.c.l. ..... lb. .04¼- —
white, 1,000 mesh, bgs., c.l. lb. .05¾- —
l.c.l. ..... lb. .06½- —
paint or lacq., c.l., bgs .... lb. .04¾- —
l.c.l. ..... lb. .05¼- —
rubber, c.l., bgs ..... lb. .04½- —
l.c.l. ..... lb. .05 - —
wallpaper, bgs., c.l. ..... lb. .04¾- —
l.c.l. ..... lb. .05¼- —

Mica, dry grd., quoted works; wet grd. and 1,000-mesh mica in carload lots is frt. alld. E.; less carload lots ex whse. or frt. alld. E. Prices of the wet grd. are ½c. per lb. higher W. of Miss. R. and 1c. per lb. higher W. of Rockies.

Milk powder, skimmed,[1] roller, bulk, Zone A, bbls .. lb. .12½- —
Zone B ..... lb. .12¾- —
spray, bbls., bulk, Zone A .. lb. .14½- —
Zone B ..... lb. .14¾- —

Milk powder Zones are:—Zone A, all States not included in Zone B. Zone B, Conn., Del., D. C., Mass., Md., Me., N. J., N. H., N. Y., Pa., R. I., and Vt.

whole, roller, bbls ..... lb. .35 - —
spray, bbls ..... lb. .36 - —
Sugar,[1] bbls., c.l., works .... lb. .26 - —
l.c.l., works ..... lb. .26¾- .27¼

Mineral spirits (see Petroleum, mineral spirits).

Molasses,[1,6] blackstrap, tanks, works, Area 1 .. gal. .18 - —
Area 2, same basis .... gal. .18¼- —
Area 3, same basis .... ton. 26.00 - —
Area 4, same basis .... ton. 29.00 - —
Area 5, same basis .... ton. 34.60 - —

Note—Area No. 1, Fla., Ga., La., Tex.; Area No. 2, Mass., Md., N. J., N. Y.; Area No. 3, Calif.; Area No. 4, Colo., Idaho, Kan., Mont., Neb. (excepting Grand Island), S. D., Utah, Ore., Wash., Wyo.; Area No. 5, Ia., Md., Mich., Minn., Grand Island, Neb., Ohio, Wis.

Molybdate orange (see Orange, molybdate).

Molybdenum metal,[1,6] kgs., 99%, powd .. lb. 2.60 - 3.00
Trioxide,[6] pure, kgs., basis Mo. content, works .. lb. .95 - —
technical, kgs., works ..... lb. .80 - —
Monoamylamine, dms., basis 100%, c.l., works .. lb. .61 - —
l.c.l., works ..... lb. .64 - —
Monoamylnaphthalene, l.c.l., dms., works .. lb. .17 - —
Monobutylamine, dms., basis 100%, c.l., works .. lb. .48 - —
l.c.l., works ..... lb. .51 - —
Monochlorobenzene, dms., c.l. .. lb. .05½- —
l.c.l. ..... lb. .07 - .09
Monoethanolamine,[6] dms., c.l., frt. alld. E .. lb. .24½- —
l.c.l., same basis ..... lb. .25½- —
tanks, same basis ..... lb. .23½- —
Monoethylamine, basis 100%, dms., c.l., works .. lb. .43 - —
l.c.l., works ..... lb. .46 - —
Monoethylaniline, dms ..... lb. .47 - —
Monomethyl para aminophenol sulphate, dms .. lb. 2.40 - 2.90
Monomethylamine, dms ..... lb. .65 - —
Monosodium phosphate (see Soda phosphate, monobasic).
Morphine, bots., 5 ozs ..... oz. 11.10 - —
cns., 25 ozs ..... oz. 10.90 - —
Acetate, bots., 5 ozs ..... oz. 9.00 - —
25 ozs ..... oz. 8.80 - —
Hydrobromine, 5 ozs ..... oz. 8.95 - —
cns., 25 ozs ..... oz. 8.75 - —
Hydrochloride, bots., 5 ozs .. oz. 9.00 - —
cns., 25 ozs ..... oz. 8.80 - —
Sulphate, bots., 5 ozs ..... oz. 9.00 - —
cns., 25 ozs ..... oz. 8.80 - —
Morpholine, dms., 55 gals., l.c.l., works .. lb. .67 - —
smaller containers, works .... lb. .75 - —
Mullein leaves, cns ..... lb. .12 - .13
Musk, nat., Tonquin, grains, bots., oz. No stocks
synth., ambrette, cns., 100 lbs. or more .. lb. 4.00 - 9.00
25 lbs. to 75 lbs ..... lb. 4.10 - 9.10
5 lbs ..... lb. 4.25 - 9.45
ketone, cns., 100 lbs. or more, lb. 4.15 - 9.25
25 lbs. to 75 lbs ..... lb. 4.25 - 9.35
5 lbs ..... lb. 4.40 - 9.70
xylol, cns., 100 lbs. or more, lb. 1.40 - 2.05
25 lbs. to 75 lbs ..... lb. 1.50 - 2.60
5 lbs ..... lb. 1.65 - 2.90
Musk root, bls ..... lb. 2.25 - 2.30
Mustard seed, Calif., brown, bgs., lb. .16½- .17
Montana, yellow, bgs ..... lb. .14½- .15
Washington, yellow, bgs ..... lb. .14¼- .14⅝
Myrobalans,[6] J1, whole, bgs .. ton. 58.50 -59.00
crushed ..... ton. 70.00 -72.00
J2, whole bgs ..... ton. 47.00 -49.00

N

Naphtha, painters (see Petroleum naphtha, V. M. & P.).
Solvent (see S).
Naphthalene,[3,6] crude, dom., 74°, bgs., c.l., frt. equald .. lb. .03 - —
bbls., c.l., same basis ... lb. .031 - —
tanks, same basis ..... lb. .0275- —
78°, bgs., c.l., same basis .. lb. .0325- —
bbls., c.l., same basis ... lb. .0335- —
tanks, same basis ..... lb. .03 - —
refined, balls, flakes, bbls., wholesalers and jobbers, works .. lb. .08 - —
50-lb. cs., same basis .... lb. .08¼- —
1-lb. pkgs., same basis ... lb. .08¾- —
Neocinchophen, USP, dms ..... lb. 7.00 - 7.10
Nepheline, syenite, glass grade, 24 mesh, bulk, Rochester, N. Y .. ton. 12.00 - —
pottery grade, 200 mesh, bulk, Rochester, N. Y .. ton. 15.50 - —
Nepheline syenite in bgs. is priced $2 per ton above the bulk quotations.
Neroline, cryst., cns ..... lb. 1.70 - 2.00
Niacin (see Acid, nicotinic).
Nickel,[6,8] carbonate, bbls ..... lb. .36 - .36½
Chloride,[6] bbls ..... lb. .18 - .20
Cyanide,[6] bots., dms ..... lb. No stocks
Oxide,[6,8] black, bbls ..... lb. .35 - .38
Salt,[6,8] bbls ..... lb. .13 - .13½
Nicotine, sulphate, 40%, dms., 50 lbs. to dealers, frt. allowed over 96 lbs .. lb. .8660- —
tins, 10 lbs ..... lb. 1.015 - —
Nicotinamide,[6] USP, dms .... kilo. 13.25 -13.55
Nikethamide, bots., cbys ..... lb. 17.00 -18.00
Nitercake, bulk, works ..... ton. 16.00 - —
Nitrobenzene, dbl. dist., dms., c.l. lb. .08 - —
l.c.l. ..... lb. .09 - —
tanks ..... lb. .07 - —
Nitrocellulose, alcohol-soluble, ¼, ½ sec., 30-35 cps., bbls., dry weight, l.c.l., works. lb. .28 - —
5-6, 40-60, cps., same basis. lb. .27 - —
ester-soluble, ¼, ½ sec., 30-35 cps., bbls., dry weight, l.c.l., works .. lb. .26 - —
5-6, 15-20 cps. and higher, bbls., dry weight, l.c.l., works .. lb. .25 - —

Nitrocellulose:—Denatured alcohol used in manufacture is charged extra. Barrels extra, but returnable.

Nitroethane, dms., l.c.l., wks .. lb. .25 - —
Nitrogen, solut.,[6] tanks ... ton N. 108.21 - —

Prices adjusted to ammonia sulphate basis from ports, and anhydrous ammonia basis, Hopewell, Va.

Nitrogenous process tankage,[1] bulk, works ..... unit-ton. 3.15 - 3.50
sewage sludge,[1] bulk, works, unit-ton. 2.60 + 4.40- 3.00 + .40
Nitromethane, dms., l.c.l., works. lb. .25 - —
Nitronaphthalene, bots ..... lb. .24 - .25
Nitropropane I, dms., works .. lb. .25 - —
II, dms., same basis ..... lb. .25 - —
Nutgalls,[6] Aleppo, bgs ..... lb. .47 - .48
Chinese, bgs ..... lb. .45 - .46
Nutmegs,[1] West Indian, No. 1, futures, bgs .. lb. .34¼- .34⅜
Nux vomica, bls ..... lb. .08½- .09
powder, bbls., bxs ..... lb. .12 - .13

O

Oakbark extract,[1,6] 25% tan., bbls., c.l., works .. lb. No stocks
Octane,[1] 100-140° C., *industrial grade, dms., c.l., G.3 .. gal. .15½- —
l.c.l., G.3 ..... gal. .29 - —
10 gals., G.3 ..... gal. .55 - —
tanks, G.3 ..... gal. .13 - —

Inquiries invited!

from users of

MERCURIALS

in the following fields . . .

ask Berk for MERCURIALS

- PRIME VIRGIN MERCURY
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- MERCURIC IODIDE RED
- MERCURIC NITRATE
- PHENYL MERCURY COMPOUNDS
- WHITE PRECIPITATE
- MERCURY CYANIDE
- CALOMEL

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PREVENTION OF SAP STAIN
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TURF DISEASE CONTROL

SINCE 1870, it has been "*ask Berk for Mercurials.*" For seventy-five years, Berk "know-how" has pointed the way to new uses, developed new products, modified old ones, and explored new fields for the employment of organic and inorganic mercury. This "know-how" is always at the command of any industrial organization seeking the solution to problems where the possibilities of the use of mercury and its compounds promise success.

F. W. BERK & CO., INC.
WOOD-RIDGE . . . NEW JERSEY
NEW YORK SAN FRANCISCO
ARMY NAVY

Octanol, normal,[6] tech., 360-lb. dms., dlvd.	lb.	.85	—
Oil, almond, bitter, artif. (see Benzaldehyde).			
bitter, F.P.A.	lb.	5.25	- 5.50
natural, USP, bots.	lb.	Nominal	
sweet, exp., dms., cns.	lb.	1.30	- 1.50
Angelica root, bots.	lb.	125.00	-140.00
Seed, bots.	lb.	No stocks	
Anilin (see A).			
Anise, USP, Russian, cns.	lb.	4.00	- 4.25
Apricot kernel, cns.	lb.	.45	- .55
Avocado, cns., dms.	lb.	1.05	- 1.25
Babassu,[1,5] tanks.	lb.	.1110-	—
Bay, W. I., 50-55%, cns.	c.	1.50	- 1.65
Puerto Rican, 55-60%, cns.	lb.	1.55	- 1.75
Bergamot, artif., cns.	lb.	2.25	- 4.25
natural, Italian, coppers.	lb.	8.50	Nom.
Brazilian, cns.	lb.	10.00	-10.25
Birch (see Oil, sweet birch).			
Birchtar, crude	lb.	No stocks	
rectified, cns.	lb.	No stocks	
Bois de rose, Brazil, cns.	lb.	5.25	- 5.50
Mexican (see lignaloe wood).			
Bone, dms., works	gal.	.65	- .70
Cade, USP IX (see Oil, juniper tar).			
Cajeput, tech., dms.	lb.	2.25	Nom.
redistilled, USP X, cns.	lb.	2.40	Nom.
Calamus, cns.	lb.	22.50	-25.00
Camphor, sassafrasey, cns.	lb.	No stocks	
white, cns.	lb.	No stocks	
Cananga, native, cns.	lb.	12.50	-14.00
rectified, cns.	lb.	15.00	-17.50
Capsicum (oleoresin), USP VII, cns.	lb.	4.50	- 4.65
Caraway, USP, cns.	lb.	17.00	-20.00
Cardamom, bots.	lb.	18.00	-20.00
Cassia, USP, cns.	lb.	No stocks	
Castor,[1] blown, dms., returnable, c.l.	lb.	.15¼-	—
l.c.l.	lb.	.16	- —
cold pressed, USP, bbls., c.l.	lb.	.14	- —
cns.	lb.	.15¾-	.17¾
dms., returnable, c.l.	lb.	.13¾-	—
l.c.l.	lb.	.14½-	—
tanks	lb.	.13	- —
dehyd., bodied, dms., c.l.	lb.	.1790-	—
l.c.l.	lb.	.1830-	—
tanks	lb.	.1750-	—
unbodied, dms., c.l.	lb.	.1690-	—
tanks	lb.	.1650-	—
No. 3, tech., bbls., c.l.	lb.	.13¾-	—
l.c.l.	lb.	.14¼-	—
dms., returnable, c.l.	lb.	.13½-	—
l.c.l.	lb.	.14¼-	—
tanks	lb.	.12¾-	—
sulphonated, 50% (48% fat), dms., c.l.	lb.	.09½-	.09¾
l.c.l.	lb.	.10½-	.11
75% (63% fat), dms., c.l.	lb.	.11¾-	—
l.c.l.	lb.	.12¾-	.13
80% (68% fat), dms., c.l.	lb.	.12¼-	.12½
l.c.l.	lb.	.13¼-	.13½
Cedarleaf,[1] cns., dms.	lb.	2.60	- 2.85
Cedarwood, dms.	lb.	.85	- 1.25
Celery, bots.	lb.	19.00	-22.00
Chaulmoogra, USP, cns.	lb.	.70	- .75
Chinawood (see Oil, tung).			
Cinnamon bark, bots.	lb.	32.50	-35.00
leaf oil, dms.	lb.	1.50	- 1.85
Citronella, Ceylon, cns.	lb.	1.00	- 1.05
Java, cns.	lb.	No stocks	
Clove, USP, cns.	lb.	1.70	- 1.75
Coconut,[1,5] Ceylon, crude, bulk, c.l.f. N. Y.	lb.	.0885-	—
Cochin type, crude, bulk, c.l.f. N. Y.	lb.	.0935-	—
Manila, crude, bulk, c.l.f., N. Y.	lb.	.0835-	—
ret. dms.	lb.	.0885-	.0985
edible, ex tax, dms.	lb.	.0985-	—
Cod, Newfoundland, dms.	gal.	.85	- .88
tankcar	gal.	.83	- —
Codliver,[5] med., USP, bbls., dms.	gal.	2.40	- 2.50
Coriander, bots.	lb.	30.00	-35.00
Corn,[1,5] crude, tanks, works.	lb.	.12¾-	—
edible, dms., l.c.l.	lb.	.16¼-	.16½
tanks	lb.	.1502-	—
foots, acid 95%, tanks, dlvd. E.	lb.	.07¼-	—
raw, 50%, tanks, dlvd. E.	lb.	.03½-	—
Cottonseed,[1,5] cooking, l.c.l., ret. dms.	lb.	.16¼-	—
foots, acid, 95%, tankcar, dlvd. E.	lb.	.07¾-	—
raw, 50%, tankcar, dlvd. E.,	lb.	.03¾-	—
salad, l.c.l., ret. dms.	lb.	.16½-	—
Creosote (see C).			
Croton, NF, cns.	lb.	4.00	- 4.25
Cubeb, USP, cns.	lb.	No prices.	
Crude (see Petroleum, crude).			
Cumin, bots.	lb.	No stocks	
Cypress, bots.	lb.	5.00	-12.00
Degras (see D).			
Dillseed, bots.	lb.	10.00	Nom.
weed, bots.	lb.	4.75	- 5.00
Dip (see D).			
Erigeron, cns.	lb.	2.25	- 2.40
Eucalyptus, cns.	lb.	1.00	- 1.20
Fennel, sweet, cns.	lb.	4.50	Nom.
Fir, Canada, cns.	lb.	2.50	- 2.75
Fishliver,[1,5] dms., less than 40,000 A units per gram, per million units.		.14	- —
for each 1,000 additional A units up to 200,000 per gram, per million units.		.001	- —
200,000 or more A units, per million units.		.30	- —
Fuel (see Petroleum, fuel oil).			
Gaultheria (see Oil, wintergreen leaf).			
Geranium, Algerian, cns.	lb.	12.00	Nom.
Bourbon, cns.	lb.	10.50	-11.00
Russian, cns.	lb.	15.50	- —
Turkish (see Oil, palmarosa).			
Ginger, dist., bots.	lb.	20.00	-22.50
Grapefruit, cns.	lb.	2.15	- 2.20
Hemlock, cns.	lb.	2.65	- 3.34
Juniper berry, dom., bots.	lb.	10.00	-15.00
wood, tech., cns.	lb.	1.00	- 1.25
Juniper tar, USP, dms.	lb.	1.15	- 1.20
Lard,[5] common, No. 1, bbls.	lb.	.14	- —
extra, No. 1, bbls.	lb.	.14½-	—
Winter, strained, bbls.	lb.	.15	- —
prime, burning, bbls.	lb.	.16	- —
inedible, bbls.	lb.	.15½-	—
Laurel, bots.	lb.	No prices.	
Lavandin, cns.	lb.	No stocks	
Lavender flower, French, cns.,	lb.	No prices.	
Russian, cns.	lb.	11.00	-11.50
garden, cns.	lb.	.55	- .75
spike, Spanish, pure, cns.	lb.	3.50	- 4.00
tech., cns.	lb.	2.75	- 3.00
Lemon, Calif., cns.	lb.	3.25	- —
Messina,[1] cns.	lb.	3.25	- —
Terpeneless	lb.	55.00	-60.00
Lemongrass, cns., dms.	lb.	1.70	- 1.75
Lignaloe wood, Brazilian (see Bois de Rose).			
Mexican, seed, cns.	lb.	No stocks	
wood, cns.	lb.	3.75	- 4.00
Lime, dist., Jamaica, cns.	lb.	7.25	- 7.50
Mexican, cns.	lb.	7.00	- 7.50
expressed, Jamaica, cns.	lb.	12.50	-13.50
Linseed,[1,2] raw, dms., c.l.	lb.	.1510-	—
l.c.l.	lb.	.1600-	.1660
tankcar	lb.	.1470-	—
tankwagon	lb.	.1470-	—
Boiled linseed oil, .004 over raw.			
Linseed replacement, dms.	lb.	.1310-	.1510
tankcar	lb.	.1270-	.1470
Lubricating,[3] at refinery, ex-tax.			
California, neutral, pale, 200-800 vis., 2¼-4 pour, tanks.	gal.	.07¼-	.11
red, 200-900 vis., 4-6½ pour, plus tanks.	gal.	.07¼-	.11¼
Lubricating, at refinery, ex tax Group 3, bright stock, 150-160 vis., 0-25 pour, tanks.	gal.	.25	- —
neutral, 300 vis., No. 3 col., 0-10 pour, tanks.	gal.	.14½-	.18
200-280 vis., No. 3, col., 15-25 pour, tanks.	gal.	.15	- .17½
Pa., bright stock, 140-150 vis., No. 8 color, 10-25 pour, tanks.	gal.	.24	- .30½
cylinder oils, 600-630 flash, tanks.	gal.	.16	- .17
600-650, steam ref'd, tanks.	gal.	.15	- .15½
neutral, 70° F., No. 3 color, 150 vis., 25 pour, tanks.	gal.	.27	- .31
200 vis., 25 pour, tanks	gal.	.28	- .33
Mace, dist., cns., dms.	lb.	5.00	- 5.25
Mandarin, Brazilian, cns.	lb.	8.75	- 9.00
Menhaden,[1,5] crude, tanks, Balto.	lb.	.0890-	—
refined, alkali, dms., l.c.l.	lb.	.1400-	—
kettle-bodied, dms., l.c.l.	lb.	.1500-	—
light-pressed, dms., l.c.l.	lb.	.1300-	—
tankcars	lb.	.1220-	—
Mineral, white (see Oil, white mineral).			
Mustard, artif., USP, cns.	lb.	No stocks	
Mustard seed,[6] exp., dms.	lb.	.14¾-	—
Neatsfoot, 15°, bbls., c.l.	gal.	1.90	- —
20°, bbls., c.l.	gal.	1.80	- —
30°, bbls., c.l.	gal.	1.60	- —
pure, bbls.	lb.	.18¼	Nom.
Neroli, bots.	lb.	200.00	-300.00
Nutmeg, dist., cns., dms.	lb.	5.00	- 5.25
Oiticica, liquid, dms., c.l.	lb.	.24	- —
Oleo,[6] No. 1, bbls.	lb.	.13¼	Nom.
Olibanum, bots.	lb.	5.00	- —
Olive, denat., dms.	gal.	No stocks	
edible,[1] Calif., 3%-½% f.f.a., works, dms. extra.	gal.	4.30	- 4.80
imported, dms.	gal.	No stocks	
foots, dms.	lb.	No stocks	
Oil, olive, sulphonated, 50% (40% fat), dms., c.l.	lb.	No prices	
l.c.l.	lb.	No prices	
80% (68% fat), dms., c.l.	lb.	No prices	
l.c.l.	lb.	No prices	
85% (68% fat), dms., c.l.	lb.	No prices	
l.c.l.	lb.	No prices	
Orange, sweet, dist., cs.	lb.	1.25	- —
expressed, Brazilian, cns.	lb.	1.35	- 1.40
Calif., cns.	lb.	1.75	- 2.00
Florida, cns., dms.	lb.	1.25	- 1.30
Messina, USP, coppers.	lb.	No stocks	
West Indian, cns.	lb.	3.75	- 4.00
sequiterpeneless, bots.	lb.	100.00	-112.00
Origanum, Spanish, cs.	lb.	2.40	- 2.75
Palm,[1,5] Niger, dms.	lb.	.0865-	—
Palm kernel, crude, bulk, c.i.f. N. Y.	lb.	.0835	Nom.
Palmarosa, cns.	lb.	5.50	- 5.75
Paraffin,[2] 300° flash, 100-110 vis., tanks, G.S.	gal.	.05¾-	.08½
320° flash, 60-70 vis., tanks, same basis.	gal.	.08	- —
350° flash, 70-80 @ 100 vis., 0/10 pour.	gal.	.08	- —
80-85 vis., 0/10 pour, bbls., extra, Ind. refy.	gal.	.09½-	—
100-110 vis., 0/10 pour, same basis.	gal.	.08½-	.15
10/25 pour, same basis.	gal.	.08¾-	.09¾
Patchouli, cns.	lb.	20.00	Nom.
Peanut,[1,5] crude, tanks, mill.	lb.	.13	- —
bleached, deod., tankcar.	lb.	.1501-	—
hydrogenated, tanks.	lb.	.1573-	.1578
foots, acid, 95%, tanks, dlvd. E.	lb.	.08	- —
raw, 50%, tanks, dlvd. E.	lb.	.04	- —
Pennyroyal, dms., cns.	lb.	4.10	- 4.25
import, cns.	lb.	No prices	
Peppermint, natural, dms.	lb.	7.50	- —
redist., USP, dms.	lb.	8.05	- 8.22
Perilla, crude, dms.	lb.	No stocks	
Petitgrain, Paraguay, cns., dms.	lb.	1.85	- 2.00
Pimento, berry, dms.	lb.	8.00	- 8.25
Leaf, cns.	lb.	4.35	- 4.50
Oil, pine,[1,6] ret. dms., c.l., dlvd. E.	gal.	.63	- .63½
l.c.l., ret. dms., dlvd. E.	gal.	.73	- —
tanks, works	gal.	.55	- —
Pineneedle, cns.	lb.	3.10	- 3.15
Putty,[2] bbls., E. Segundo, Richmond, Cal.	gal.	.22½-	—
contracts	gal.	.19½-	—
dms., c.l., Whiting, Ind.	gal.	.34	- —
Boston, Providence.	gal.	.25	- —
l.c.l., same basis	gal.	.27	- —
tanks, same basis	gal.	.18	- —
Martinez, Cal.	gal.	.28	- —
Rapeseed,[1,5] bulk, New Orleans,	lb.	.1156½-	—
Red,[1] dist., ret. dms., dlvd.	lb.	.13¼-	.14¼
tanks, dlvd.	lb.	.12½-	—
double dist., ret. dms., dlvd.,	lb.	.15¾-	.16⅞
Saponified, same prices.			
Rose, natural, coppers.	oz.	No stocks	
Rosemary, Spanish, cns., dms.,	lb.	1.60	- 2.00
Rosin, 1st rectified, dms.	gal.	.66	- —
2nd rectified, dms.	gal.	.68	- —
3rd rectified	gal.	.72	- —
Rue, bots.	lb.	8.25	Nom.
Sage, Spanish, cns.	lb.	3.60	- 5.00
Sandalwood, NF, dist., cns.	lb.	6.75	- —
Mysore, cns., case lots.	lb.	7.00	- 7.25
Sardine, crude,[1,5] tanks, Pac. Coast.	gal.	.66¾-	—
refined, alkali, dms., l.c.l.	lb.	.1400-	—
kettle-bodied, dms., l.c.l.	lb.	.1500-	—
light-pressed, dms., l.c.l.	lb.	.1300-	—
tankcars	lb.	.1220-	—
Sassafras, artif., cns.	lb.	1.00	- 1.40
natural, cns., dms.	lb.	1.90	- 2.00
Savin, cns.	lb.	No stocks	
Savory, cns.	lb.	8.00	- —
Sesame,[1,5] tanks.	lb.	.1430-	—

• Extra for bbls., but subject to quantity discounts, ranging from 2c. to 5c. per gallon, according to amount purchased.

★ FLORANOL

A single chemical used in compounding Rose Odors. Blends with or replaces Phenyl Ethyl Alcohol.

Samples on Request.

★ CYCLAMAL

The Accepted Basis for Floral Perfumes

(Lily of the Valley, Lilac, etc.)

A single chemical having properties most desired by perfumers.

Great Strength

(5 times stronger than Hydroxy Citronellal with which it blends well.) Result: Economy.

PERSISTENT IN ODOR — FREEDOM FROM DISCOLORATION
FREEDOM FROM IRRITATION — CYCLAMAL IS OF 100% PURITY

Manufactured in the U.S.A.

★ AMERICAN DISTILLED OILS

bring you the

Fragrance of the Pine Forest

PURE OILS DISTILLED ESPECIALLY FOR US

Exceptionally Fine Quality

Oil of Spruce — **Oil of Balsam Fir American**
Oil of Cedar Leaf American Pure — **Oil of Pine Needles American**

They come to you as they come from the still in the state of absolute purity. Samples will convince you of the added value to be had from these Pure Quality Oils.

★ ALDEHYDES

ALDEHYDE C-8 **ALDEHYDE C-10** **ALDEHYDE 12-M**
ALDEHYDE C-16 **ALDEHYDE C-18**

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GENERAL DRUG COMPANY

125 Barclay St., New York 7, N. Y.

9 S. CLINTON STREET, CHICAGO 6 — 1019 ELLIOTT STREET, W. WINDSOR, ONT.

Oil, shingle stain, bbls., c.l., works..gal. .2135- —
l.c.l., works.....gal. .23 - .29
tanks, works.....gal. .15 - .18
Snakeroot, Canada, cns.....lb. No stocks
Soybean,[1,6] crude, tanks, Decatur..lb. .1175- —
clarif., dms.....lb. .1296- .1335
tanks .....lb. .1256- —
deod., Winter, tankcar.....lb. .1393- —
ret. dms.....lb. .1500- .1540
foots, acid, 95%, tanks, dlvd. E..lb. .07¼- —
raw, 50%, tanks, dlvd. E.lb. .05¼- —
refd., varnish, dms.....lb. .1386- .1400
tanks .....lb. .1340- .1347
Spearmint, dms.....lb. 4.00 Nom.
Sperm, bleach, 38°, dms.....lb. .1443- —
natural, 45°, dms.....lb. .1310- —
Spruce,[1] cns., dms.....lb. 2.65 - 3.34
Sunflower, refined,[6] tanks...lb. .1433- —
semi-refined, tanks.....lb. .1430- —
Sweet birch, North, cns.....lb. 4.00 - 5.00
South, cns.....lb. 2.50 - 3.75
Tall, crude, dms., c.l., works. ton.53.65 -55.00
l.c.l., works.....ton.58.65 -63.65
tanks, works.....ton.40.00 -45.00
refined, dms., c.l., works..lb. .05 - .05¼
l.c.l., works.....lb. .05½- —
tanks, works.....lb. .04½- —
Tallow,[6] acidless, bbls.....lb. .14¼- —
tanks .....lb. .13¾- —
Tansy, cns.....lb. 4.50 - 4.65
Tar,[1] pine, dms., c.l., dlvd. E. cities..gal. .32¾- —
l.c.l., f.o.b. works.....gal. .29¾- —
tanks, dlvd. E. cities....gal. .27 - —
rect., USP, bbls.....gal. .60½- —
Tar acid (see T).
Thyme, NF, red, cns.....lb. 2.50 - 3.50
white, cns.....lb. 2.65 - 4.00
Tung,[1] dms., c.l.....lb. .39 - .39¼
l.c.l.....lb. .39¼- .40
tanks .....lb. .38¾- —
Turkey red (see Castor, sulphonated).

Oil, turpentine, rectified, USP, cns., dms..lb. .25 - —
Vetiver, Bourbon, bots.....lb. 25.00 -30.00
Whale,[6] ref., natural, dms..lb. .1187 Nom.
winter, bleach, dms.....lb. .1232 Nom.
Wheat germ, dms.....gal. 10.00 -13.50
White mineral, tech., 50-65 vis., dms., c.l..gal. .34 - —
l.c.l. .....gal. .40 - .43
65-75 vis., c.l.....gal. .34 - —
l.c.l. .....gal. .40 - .43
USP, 80/90 vis., dms., extra, c.l..gal. .27 - —
l.c.l. .....gal. .43 - .46
95/105 vis., dms., c.l...gal. .41½- —
l.c.l. .....gal. .47½- .50¼
125/135 vis., dms., c.l...gal. .46 - —
l.c.l. .....gal. .52 - .55
145/155 vis., dms., c.l...gal. .48 - —
l.c.l. .....gal. .54 - .57
175/185 vis., dms., c.l...gal. .51½- —
l.c.l. .....gal. .57½- .60¼
200/210 vis., dms., c.l...gal. .54 - —
l.c.l. .....gal. .60 - .63
320/330 vis., c.l.....gal. .60 - —
l.c.l. .....gal. .66 - .69
335/345 vis., dms., c.l...gal. .61 - —
l.c.l. .....gal. .67 - .70
San Francisco, 55, 70 and 85 vis., ret. iron drums, 65 dms..gal. .40 - —
64-1 dms.....gal. .42 - .45
100 vis., 65 dms.....gal. .49½- —
64-1 dms.....gal. .51½- .54¼
145 vis., 65 dms.....gal. .57 - —
64-1 dms.....gal. .59 - .62
180 vis., 65 dms.....gal. .60¾- —
64-1 dms.....gal. .62½- .65¼
340 vis., 65 dms.....gal. .72 - —
64-1 dms.....gal. .74 - .77
Wintergreen, nat., North, cns., lb. 6.50 - 8.50
South, cns.....lb. 4.00 - 4.25
synthetic (see Methyl salicylate).
Wood (see Oil, chinawood).
Wormseed,[1] cns.....lb. 5.00 - 5.15
Wormwood, cns.....lb. 4.85 - 5.50
Ylang-ylang, Bourbon, bots..lb. 9.50 -10.00

Oleostearin,[1] bbls.....lb. .1054- —
Olivine, aggregate, c.l., mines.. ton. 7.00 - 9.50
crushed, 8 mesh, bulk, c.l., wks. ton. 8.00 - —
paper, bgs., c.l., works..ton. 9.50 - —
lumps, same basis.....ton. 7.00 - —
spalls, same basis.....ton. 5.00 - —
Opium gum, USP, cns., 50-lb. lots lb.13.00 - —
25-lb. lots.....lb.13.25 - —
smaller lots.....lb.13.50 -13.65
Prices on powd. and gran. USP opium are 1.50 per pound higher.
Orange, cadmium selenide, bbls., 100-lb. lots, works..lb. 1.50 - —
Dinitroanilin toner[1].....lb. 1.05 - —
Molybdate,[1,6] bbls.....lb. .41 - —
Orthonitroanilin toner,[1] bbls., works..lb. .80 - 1.05
kgs. .....lb. .80 - —
Persian,[1] bbls.....lb. .30 - .45
Orange mineral, Amer., bbls., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash..lb. .12¼- —
Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Wash..lb. .12¾- —
Colo., Mont., N. M., Wyo..lb. .12½- —
other points.....lb. .12 - —
Ala., etc.....lb. .12¾- —
Ariz., etc.....lb. .13¼- —
Colo., Mont., N. M., Wyo..lb. .13 - —
other points.....lb. .12½- —
Orange peel, bitter, Haitian, bgs., lb. .10½- .11
sweet, bls.....lb. .16 - .20
Oregano, Mexican, curly leaf, bgs..lb. .08½- .09
flat leaf, bgs.....lb. .08¼- .08¾

Orris root, African, bls.....lb. .85 - —
powd., bbls., bxs.....lb. .90 - .95
Portuguese, bls.....lb. .65 - .70
Verona, bls.....lb. No stocks
Orthoamylphenol, dms., works..lb. .25 - —
Orthoanisidin, bbls.....lb. .70 - —
Orthochloroanilin, dms.....lb. .60 - .70
Orthochlorophenol, dms.....lb. .25 - .27
Orthocresol,[2,6] 30.4° C. Min. M.P., dms., c.l., works..lb. .17½- .18
l.c.l., same basis.....lb. .18 - .18½
29.0° C. Min. M.P., dms., c.l., works..lb. .16½- .17
l.c.l., same basis.....lb. .17 - .17½
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies. lb. .07 - —
l.c.l., same basis.....lb. .08 - —
tanks, same basis.....lb. .06¾- —
Orthodichlorobenzene prices west of Rockies 1c. per lb. higher.
Orthonitroanilin, dms.....lb. .43 - .55
Orthonitrochlorobenzene, dms..lb. .15 - .18
Orthonitroparachlorophenol, cns., lb. .75 - —
Orthonitrotoluene, dms.....lb. .09 - —
Orthophenetidin, dms.....lb. .82 - —
Orthotoluidin, dms.....lb. .19 - —
Osage orange, crystals, bbls...lb. .23 - —
extract, No. 1, bbls.....lb. .11 - —
No. 2, bbls.....lb. .10 - —
Oxyquinolin sulphate, cns., 100 lbs., works..lb. 3.50 - —
smaller lots.....lb. 3.75 - 4.15

P

Papain, powd., cs.....lb. 2.40 - 2.50
Papaverine, natural, synthetic, hydrochloride, NF, cns., 100-oz. lots..oz. 7.00 - —
smaller lots.....oz. 7.05 - 7.35
sulphate, cns.....oz. 7.10 - 7.35
Paprika,[1] Calif., sweet Caliente, bgs..lb. .36 - .36½
Chilean, choice, bgs.....lb. .34½- .35
Portuguese, choice, bgs....lb. .41½- .42
extra fancy, bgs.....lb. .40 - .41
good, bgs.....lb. .37 - .38
Spanish, fancy, futures, bgs..lb. .50 - .50½
fair, bgs.....lb. No stocks
good, bgs.....lb. .47 - .48
Para-anisidin, dms., works.....lb. .75 - —
Parachlorophenol, dms., wks..lb. .25 - .28
Paracresol,[6] bbls., wks.....lb. .41 - —
Paracymene, dms., c.l., works..lb. .1595- —
l.c.l., same basis.....lb. .1645- —
tanks, same basis.....lb. .1545- —
Paradichlorobenzene, dms., c.l., works..lb. .11 - .12
l.c.l., same basis.....lb. .12¼- .15
Paraffin, crude scale, white or yellow, 119-121 ASTM, bbls., c.l., refinery..lb. .04¼ —
fully refd, slabs, loose, 117-119 ASTM, c.l., refinery..lb. .05 - —
120-122 ASTM, same basis. lb. .0620- —
122-124 ASTM, same basis. lb. .0520- —
125-127 ASTM, same basis. lb. .0560- —
127-129 ASTM, same basis. lb. .0585- —
128-130 ASTM, same basis. lb. .0585- —
130-132 ASTM, same basis. lb. .0615- —
132-134 ASTM, same basis. lb. .0640- —
135-137 ASTM, same basis. lb. .0715- —
140-142 ASTM, same basis. lb. .0810- —
146-148 ASTM, same basis. lb. .1050- —
Prices in bags 4/10c. per lb. higher than those for slabs loose.
Paraformaldehyde, [3,6] dms., 1,000 lbs. or more, works..lb. .21 - —
smaller lots works.....lb. .22 - —
Paraldehyde, tech., 98%, 55 and 110-gal. dms., l.c.l., wks..lb. .12 - —
and 10-gal. dms., works..lb. .15 - —
USP, cns., cbys.....lb. .35 - .45
Paranitroanilin, kgs., works...lb. .43 - .45
Paranitrochlorobenzene, kgs., wks. lb. .15 - —
Paranitrophenol, kgs.....lb. .35 - —
Paranitrotoluene, kgs., works..lb. .30 - —
Paraphenylenediamine, tech., kgs. lb. 2.00 - —
Paratoluenesulphonamide, bbls.lb. .70 - —
Paratoluidin, bbls., works.....lb. .48 - —
Paris green,[1] dealer, distributor, dms., kgs., c.l., works, frt. alld..lb. .20 - .27
l.c.l., same basis.....lb. .22 - .28
Passion flower herb, bls.....lb. .16 - .20
Patchouli leaves, bls.....lb. .34 - .35
Pectin, bbls.....lb. .85 - —
Penicillin,[6] hospitals, institutions, ampules, per 100,000 units. 2.40 - 2.60
for gov. purchases, ampules, per 100,000 units. .85 - —
Pennyroyal leaves, bls.....lb. .16 - .18
Pentachlorophenol, dms., works. lb. .20 - .23
Pentaerythritol,[6] CP, bbls., dlvd. lb. .75 - —
less than barrel lots.....lb. 1.00 - —
tech., bbls., c.l.....lb. .29 - —
l.c.l .....lb. .33 - —
Tetra-acetate, bbls., dlvd.....lb. 1.00 - —
less than barrel lots.....lb. 1.50 - —
Pentane,[1] 28°-38° C, industrial grade, dms., c.l., Group 3. gal. .11 - —
l.c.l., Group 3.....gal. .19 - —
tanks, Group 3.....gal. .07½- —
laboratory grade, dms., c.l. gal. .16 - —
l.c.l. .....gal. .29 - —
10 gals.....gal. .55 - —
Pepper, black,[1] 15 tons, bgs...lb. .10 - —
50 to 100 bgs.....lb. .1050- —
4 to 24 bgs.....lb. .1100- —
red, Carolina, longs, new crop, bgs..lb. .32½- .33
sports, old crop, bgs....lb. .46 - .47
Congo, bgs.....lb. .25 Nom.
Louisiana, sports, bgs....lb. No stocks
longs, old crop, bgs....lb. .32 - .33
Chillies, Mombassa, bgs...lb. .24¾ Nom.
Niger, fair, bgs.....lb. .23 Nom.
Sierra Leone, bgs.....lb. .22½ Nom.
Unganda, washed, bgs....lb. No stocks
white,[1] 15 tons, bgs.....lb. .1161 Nom.
24 bgs. .....lb. .1295 Nom.
Peppermint, dom., USP, bls...lb. .70 - .75
import, bls.....lb. .90 Nom.
Perchloroethylene,[6] Zone 1, dms., c.l., works, frt. alld..lb. .0782- .0800
l.c.l., same basis.....lb. .0832- .0850
Zone 2, dms., c.l., works, frt. alld..lb. .0832- .0850
l.c.l., same basis.....lb. .0882- .0900
Zone 3, dms., c.l., works, frt. equald..lb. .0882- .0900
l.c.l., same basis.....lb. .0932- .0950
Zone 4, dms., c.l., f.o.b. stock point..lb. .0882- .0900
l.c.l. same basis.....lb. .0932- .0950
Perchlorethylene zones are:—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb. (Omaha), Kans. (Kansas City), N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis.; (2) Ala., Ark., Fla., Ga., Kansas, La., Miss., Neb., N. D., Okla., S.C., S.D.; (3) Col., Mont. (E) N.M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.

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Over 80% of all the Lemon Oil used in America is *Exchange* Lemon Oil—over four of every five pounds.

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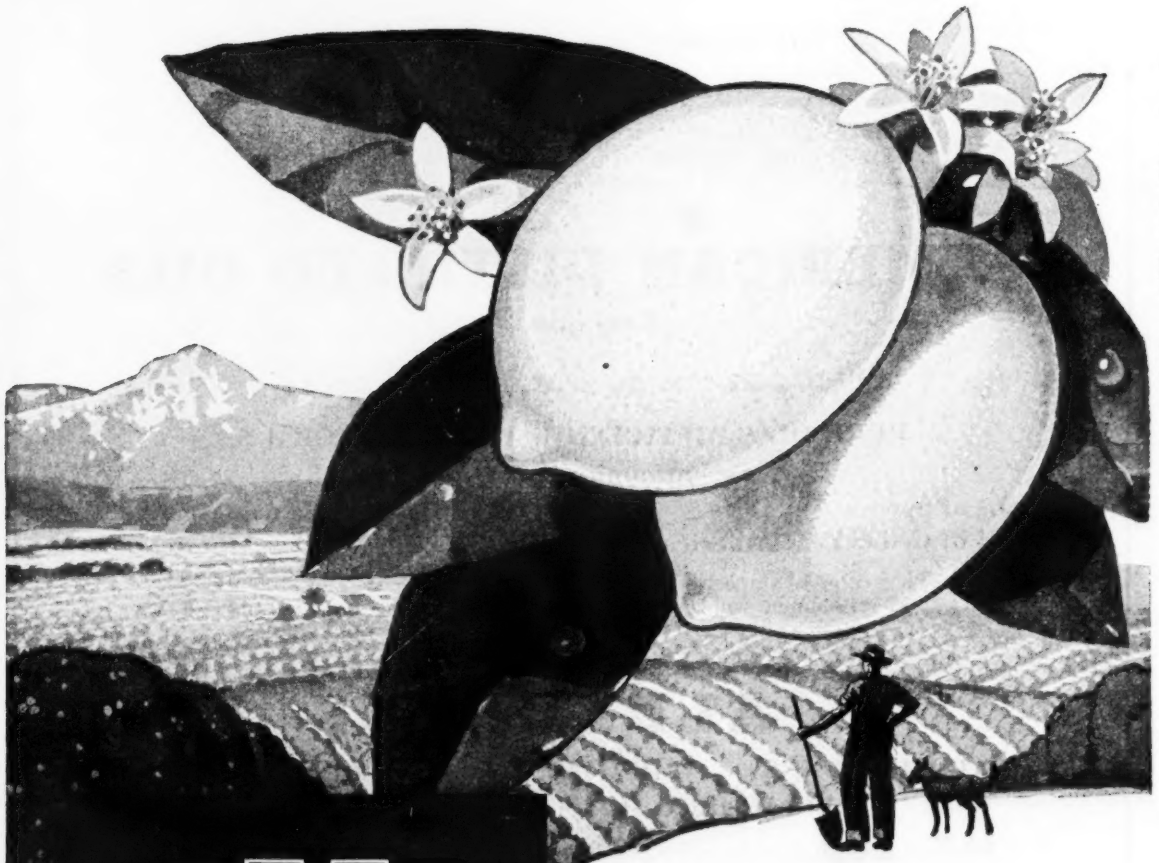
When you buy Lemon Oil... buy Exchange.



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Peru balsam, dms.....lb. 1.15 - 1.20
Petrolatum, tech., dark, bbls., Group 3, c.l..lb. .021 - —
golden Topaz, bbls., c.l....lb. .032 - —
l.c.l. .....lb. .036 - —
red, veterinarian, bbls., c.l.lb. .024 - —
l.c.l. .....lb. .028 - —
USP, amber, dms., c.l.....lb. .03¼- —
l.c.l. .....lb. .04½- —
extra amber, dms., c. l....lb. .03½- —
l.c.l. .....lb. .04½- —
cream, c.l., dms.....lb. .04¾- —
l.c.l. .....lb. .06¼- —
yellow, soft, dms., c.l.....lb. .03¼- —
l.c.l. .....lb. .04¼- —
white, lily, dms., c.l.....lb. .05½- —
l.c.l. .....lb. .07 - —
snow, c.l., dms.....lb. .06¼- —
l.c.l. .....lb. .07¾- —
soft, c.l., dms.....lb. .05¼- —
l.c.l. .....lb. .06¼- —
Deposit on ret. dms. $4.
Petrolatum prices dms. extra, ret.
Petroleum, crude, bulk, at wells,
California, heavy grades..bbl. .93 - 1.01
Illinois .....bbl. 1.37 - —
Kentucky, Union County..bbl. 1.32 - 1.37
Louisiana-Arkansas .....bbl. .86 - 1.20
Oklahoma-Kansas .....bbl. .85 - 1.25
Pennsylvania .....bbl. 1.31 - 3.00
Texas, Gulf Coast.....bbl. 1.06 - 1.86
North, North-Central.....bbl. 1.01 - 1.25
West .....bbl. .70 - 1.12
Panhandle .....bbl. 1.10 - 1.22
Savannah, Ga.....bbl. 1.60 - 1.77
Wyoming .....bbl. 1.12 - —
Ether, laboratory grade, 30-60° C., dms., c.l., Group 3..gal. .16 - —
l.c.l. .....gal. .29 - —
10 gals.....gal. .55 - —
35-60° C., dms., c.l.....gal. .29 - —
10 gals.....gal. .55 - —
40-75° C., dms., c.l.....gal. .16 - —
l.c.l. .....gal. .29 - —
10 gals.....gal. .55 - —
Fuel oil, furnace, tanks, at refinery:—
Arkansas, No. 1.....gal. .04 - —
Nos. 2 and 3.....gal. .03½- —
California, heavy...bbl. 1.10 - —
light .....bbl. 1.20 - —
diesel .....gal. .04 - —
stove dist.....gal. .05 - —
Group 3, No. 3....gal. .08½- —
Group 3, No. 5....bbl. .85 - —
No. 6.....bbl. .80 - .85
Kansas, No. 6.....bbl. .85 - .90
Oklahoma, No. 2....gal. .03⅝- —
No. 6.....bbl. .90 - —
14-16 .....bbl. .97 - —
Pennsylvania, No. 1.gal. .07 - .07¾
No. 2.....gal. .07 - .0805
No. 3.....gal. .06⅞- .07⅛
36-40 gravity.....gal. .07 - .07⅝
bunker C, Albany, N. Y..bbl. 1.97 - —
Baltimore, Md.....bbl. 1.77 - —
Boston, Mass.....bbl. 1.77 - —
Charleston, S. C.....bbl. 1.72 - —
Jacksonville, Fla.....bbl. 1.72 - —
New Haven, Conn.....bbl. 1.77 - —
New York, N. Y.....bbl. 1.77 - —
New Orleans, La.....bbl. .97 - —
Norfolk, Va.....bbl. 1.77 - —
Philadelphia, Pa.....bbl. 1.77 - —
Portland, Me.....bbl. 1.77 - —
Port Tampa, Fla.....bbl. 1.62 - —
Providence, R. I.....bbl. 1.77 - —
Savannah, Ga.....bbl. 1.72 - —
Lacquer diluent, at refinery:—
California, 100 l.b.n., 200 e.p., tanks, dlvd. Los Angeles, gal. .11 - —
Fort Wells, Wash.....gal. .12 - —
San Francisco.....gal. .11½- —
Willbridge, Ore.....gal. .12 - —
East Coast, N. J., N. Y., tanks..gal. .11½- —
Group 3, benzol type, tanks. gal. .07⅞- —
toluol type, tanks..gal. .07⅜- .07½
Mineral spirits, at refinery, California (f.o.b. San Francisco), 163-252 b.r., tanks..gal. .10¼- —
198-200 b.r., tanks...gal. .10¼- —
246-397 b.r., tanks...gal. .10½- —
312-408 b.r., tanks...gal. .09 - —
362-458 b.r., tanks...gal. .09 - —
East Coast, N.J., N.Y..gal. .10 - —
Group 3, tanks.....gal. .06½- —
tankwagon, Baltimore.....gal. .12 - .14
Boston .....gal. .12 - —
Bridgeport, Conn.....gal. .1630- —
Buffalo .....gal. .1240- —
Camden, N. J.....gal. .11 - —
Chicago .....gal. .13½- —
Detroit .....gal. .1580- —
Hartford .....gal. .1630- —
Kansas City, Mo.....gal. .1480- —
Lancaster, Pa.....gal. .12 - —
Milwaukee .....gal. .1440- —
Minneapolis .....gal. .1420- —
Newark (200 gal.).....gal. .11 - —
New York (200 gal.)....gal. .11 - —
Philadelphia .....gal. .11 - —
Pittsburgh .....gal. .129 - —
Providence .....gal. .13 - —
Rochester .....gal. .1320- —
St. Louis.....gal. .1370- —
Syracuse .....gal. .14 - —
Washington, D. C.....gal. .13 - —
Wilmington, Del.....gal. .13 - —
Naphtha, cleaners, at refinery:—
California (f.o.b. San Francisco), tanks..gal. .12 - —
East Coast, N. J., N. Y., tanks..gal. .11 - —
Group 3, tanks.....gal. .07½- —
tankwagon, Newark.....gal. .12 - —
Bridgeport .....gal. .1730- —
Chicago .....gal. .1380- —
Detroit .....gal. .15 - —
Milwaukee .....gal. .1440- —
Minneapolis .....gal. .1420- —
New York.....gal. .12 - —
Philadelphia .....gal. .125 - —
St. Louis.....gal. .1470- —
high-solvency, No. 1, over 70% arom., tanks, Bayway, N. J. gal. .21½- —
No. 2, over 90% arom., same basis..gal. .21½- —
No. 3, same basis.....gal. .22½- —
No. 8, tanks, same basis., gal. .228 - —
No. 30, tanks, f.o.b. Kingsland, N. J., frt. alld..gal. .223 - —
No. 40, tanks, Wilmington, Cal..gal. .13½- —
V.M.&P., at refinery:—
California, 46.5, 254 i.b.p., 380 e.p., tanks, f.o.b. El Segundo..gal. .11 - —
Richmond .....gal. .11½- —
Willbridge, Ore., Ft. Wells, Wash..gal. .12 - —
54-77, 190 i.p.b., 310 e.p., tanks, dlvd. Los Angeles, gal. .10 - —
San Francisco....gal. .10½- —
Portland, Seattle..gal. .11 - —
Group 3, tanks.....lb. .07½- —
Gulf Coast (dlvd. New Orleans), tanks..gal. .06½- —
tankwagon, Boston.....gal. .13 - —
Chicago .....gal. .1380- —
Detroit .....gal. .15 - —
Milwaukee .....gal. .1540- —
Minneapolis .....gal. .1590- —
Newark (200 gals.)....gal. .125 - —
New York.....gal. .12 - —

Petroleum naphtha, tankwagons, Philadelphia .....gal. .125 - —
Pittsburgh .....gal. .12½- —
St. Louis.....gal. .1470- —
Solvent, rubber at refinery, California (f.o.b. San Francisco). gal. .25½- —
East Coast, N. J., N. Y., tanks..gal. .11 - —
Group 3, tanks.....gal. .07¼- .07½
Stoddard (CS 8-33), at refinery:—
California (f.o.b. San Francisco), tanks..gal. .11 - —
East Coast, N. J., N. Y., tanks..gal. .10 - —
Group 3, tanks.....gal. .06⅝- —
Pennsylvania, western, tanks..gal. .07¼- .07½
tankwagon, Baltimore...gal. .13 - —
Boston .....gal. .12 - —
Chicago .....gal. .13½- —
Detroit .....gal. .1580- —
Milwaukee .....gal. .1440- —
Minneapolis .....gal. .1420- —
Newark .....gal. .11 - —
New York.....gal. .11 - —
Philadelphia .....gal. .11 - —
Pittsburgh .....gal. .12½- —
St. Louis.....gal. .1370- —
Syracuse .....gal. .14 - —
Petroleum xylol solvent. See Xylol petroleum solvent.
Phenobarbital, 5-lb. cns.....lb. 3.60 - 3.70
dms., 100 lbs.....lb. 3.50 - —
Phenol,[2,6] 90-92% (cresol, 8-10%), dms., c.l., works, frt. equald. lb. .10 - —
l.c.l., same basis.....lb. .10¾- —
tanks, same basis.....lb. .09 - —
82-84% (cresol, 16-18%), dms., c.l., same basis..lb. .09¾- .10¼
l.c.l., same basis.....lb. .10¼- .10¾
tanks, same basis.....lb. .08¾- .09¼
USP, dms., c.l., same basis..lb. .10½- —
l.c.l., same basis.....lb. .11¼- —
tanks, same basis.....lb. .09½- —

Phenolphthalein, USP, bbls., dms., 2,000 lbs..lb. .85 - —
smaller lots.....lb. .87 - .92
yellow, fib. dms., 2,000 lbs..lb. .80 - —
smaller lots.....lb. .82 - .87
Phenothiazin, NF, fib. dms., 2,000-lb. shipt..lb. .40 - —
smaller lots, same basis..lb. .54 - —
Phenylacetaldehyde, 50% solut., bots..lb. 2.45 - 3.00
100% solut., bots.....lb. 4.40 - 5.00
Phenylethyl acetate, cns.....lb. 4.00 - 4.25
Phenylethylphenyl acetate, bots.. lb. 5.50 - 7.90
Phenylhydrazin, base, CP, bots.lb. 4.55 - —
Hydrochloride, CP, bots., works. lb. 7.10 - —
commercial, kgs., works...lb. 1.75 - —
Phloroglucinol, CP, fib. dms..lb.13.75 -14.75
tech., fib. dms.....lb.12.00 -12.50
Phosgene, ton lots, works.....lb. .19 - —
Phosphate rock,[1,5] Fla., land pebble, unground, run-of-mine, washed, dried, 68%-69% b.p.l., M.P.R. 240 provisions, bulk, car at mine, c.l...long ton. 2.20 - —
70%-68% b.p.l., M.P.R. 240 provisions, same basis..long ton. 2.60 - —
72%-70% b.p.l., M.P.R. 240 provisions, same basis..long ton. 3.20 - —
75-74% b.p.l., MPR, 240 provisions, same basis, long ton. 4.20 - —
77%-76% b.p.l., M.P.R. 240 provisions, same basis..long ton. 5.20 - —
entirely pebble 50c. per ton higher than above prices.
30% P_2O_5 minimum, short ton. 2.90 - —
31% P_2O_5 minimum, short ton. 3.10 - —
70%, basis 32% P_2O_5 minimum..short ton. 3.45 - —

Phosphate rock, Tenn., brown, unground, run-of-mine, 70%-68% b.p.l., 5% i. & a., M.P.R. 240 provisions, same basis..long ton. 5.10 - —
72%-70% b.p.l., 5½% i. & a., M.P.R. 240 provisions, same basis..long ton. 5.60 - —
refinery ground, 20% P_2O_5, same basis..long ton. 4.75 - —
80%, P_2O_5, same basis..... long ton. 4.95 - —
31%, P_2O_5, same basis..... short ton. 5.05 - —
32%, P_2O_5, same basis.... short ton. 5.30 - —
33% P_2O_5, same basis.... short ton. 5.80 - —
Phosphate, defluorinated (see under D).
Phosphorus,[6] red, amorphous, cs. lb. .40 - .44
tins, export.....lb. .55 - —
yellow,[6] dms.....lb. .25 - —
cs. .....lb. .23 - .25
Oxychloride,[6] cyls.....lb. .15 - .18
Pentoxide,[6] dms., c.l., wks..lb. .11 - .12
l.c.l., works.....lb. .13 - .14
Sesquisulphide,[6] cs.....lb. .38 - .42
Trichloride,[6] cyls.....lb. .15 - .16
Phthalamide, bbls., works.....lb. .35 - .40
kgs., works.....lb. .45 - .50
Phthalic anhydride,[6] bgs., bbls., c.l., works, frt. alld. E. of Denver..lb. .13 - —
l.c.l., same basis.....lb. .14 - —
Pichi leaves, bgs.....lb. .07 - .08
Picoline (see Alphapicoline and Betapicoline).
Picrotoxin, bots.....oz. 3.00 - —
Pilocarpine hydrochloride, USP, bots., vis..oz. 3.90 - 5.25
Nitrate, bots., vls.....oz. 3.90 - 5.15
Pimento,[1] Jamaica, bgs.....lb. .23½- .24
Mexican (see Allspice, Mexican).

ON CONSTANT GUARD

Against the enemies ...of your products

Will absorbed moisture—or evaporation—damage your packaged products? Is there possibility of your products absorbing foreign odors while in storage or in transit? Or of losing their natural, desirable aroma? Is sifting a problem? Or vermin? Or contamination?

If the answer is "yes" to any of these questions, and if your products are in powdered, granular, crystal or lump form, then Bemis Waterproof Bags are just what the doctor ordered. They give full protection against all these enemies of your products.

How will you know what particular type of bag your products require?

That's one of the tasks of the Bemis Shipping Research Laboratory. With specially designed equipment, chemists and research specialists determine what bag materials and constructions should go into each job.

Almost as important as top protection for your products are the major money savings you enjoy. Bemis Waterproof Bags cost less than other containers giving comparable protection. Further, they save storage space on both empty and filled bags—they speed up filling, closing and handling time—they save on shipping costs—and frequently reduce damage claims.

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HERE'S A QUICK PICTURE OF THE SIMPLEST TYPE OF BEMIS WATERPROOF BAG. THIS 3-PLY CONSTRUCTION CONSISTS OF:

1. An inside layer of flexible creped kraft paper impregnated with...
2. a layer of waterproof adhesive that also seals the interstices in the...
3. outside layer of tough, closely woven fabric and cements both layers together.

The outer fabric may be either cotton or burlap. The kind of bonding adhesive depends upon the commodity to be packed. One or more linings of paper and adhesive may be incorporated depending upon the protection needed. Bag seams may be cemented or sewn.

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BEMIS BRO. BAG CO.
ST. LOUIS · BROOKLYN

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Please send your special booklet, "A Guide to More Efficient Shipping," and details about use of Bemis Waterproof Bags for_____ (PRODUCT)

*Firm Name*_____

*Street Address*_____

*City*_____ *State*_____

*Mark for the attention of*_____

Pinetar, retort, non-ret. dms, c.l., divd. E..gal.	.35¾	-	—
l.c.l., works, dms. incl..gal.	.32¾	-	—
tanks, divd. E.....gal.	.27	-	—
Pinkroot, bls.....lb.	1.85	-	1.90
Piperazine hexahydrate, bots..lb.	16.00	-	—
Pitch, burgundy (see B).			
Coaltar,[8] 160° m.p., bbls., c.l., works..ton.	19.00	-	—
l.c.l., works.....ton.	22.00	-	—
Cottonseed, dms., works.....lb.	.04	-	.06
Hardwood, paper bgs., works..lb.	.03½	-	—
Linseed, dms.....lb.	.05	-	.05½
Petroleum (see Asphaltum, Mexican, Texas).			
Soybean, dms., works.....lb.	.04	-	.06
Pine, dms.....100 lbs.	3.25	-	—
stands, 200 lbs.....stand.	6.00	-	—
Plaster of paris (see Gypsum).			
Pokeroot, bbls.....lb.	.11	-	.12
Polyamylnaphthalene, dms., l.c.l., works..lb.	.25	-	—
Pomegranate, root bark, bgs...lb.	.80	-	.85
Poppy flowers, bls.....lb.	.60	-	.70
Seed, Canadian, bgs.....lb.	No stocks		
domestic, blue, bgs.....lb.	No stocks		
Dutch, bgs.....lb.	No stocks		
Indian, white, bgs.....lb.	No stocks		
Turkish, futures, bgs.....lb.	.32¾	-	.33¼
cleaned, bgs.....lb.	No stocks		
Potash abietate.....lb.	.08	-	—
Acetate, USP, bbls., dms....lb.	.28	-	.30
cns.....lb.	.31	-	.33
Arsenite,[6] USP, solut., cbys., djns..lb.	.13	-	.15
Bicarbonate, USP, cryst., gran., bbls., dms..lb.	.19	-	.21
Bichromate,[1,6] bbls., cks., c.l., works..lb.	.10¼	-	—
l.c.l., works.....lb.	.10¾	-	.10⅝
Potash bichromate in bgs., ¼c. less.			
Bromide, USP, gran., 500-lb. bbls., dms..lb.	.25	-	—
100-lb. kgs.....lb.	.26	-	—
Carbonate,[6] cal., bbls., c.l., works..lb.	.06½	-	—
l.c.l., same basis.....lb.	.06¾	-	—
hydrated,[6] 88-85%, bbls., c.l., works..lb.	.05½	-	—
dms., l.c.l., same basis..lb.	.05¾	-	—
USP, gran., bbls., dms.....lb.	.14	-	.20
powd., bbls., dms.....lb.	.19	-	.21
Caustic, low-chloride, 90% basis, flake, dms., c.l., wks. 100 lbs.	9.31	-	—
l.c.l., works....100 lbs.	9.68½	-	—
liquid, dms., c.l., works.. 100 lbs.	8.56	-	—
l.c.l., works.....100 lbs.	8.68½	-	—
tanks, works.....100 lbs.	8.06	-	—
solid, dms., c.l., works.. 100 lbs.	8.56	-	—
l.c.l., works.....100 lbs.	8.93½	-	—
regular, flakes, 88-92%, dms., c.l., works..lb.	.07	-	—
l.c.l., works.....lb.	.07½	-	—
45% basis, dms., works.lb.	.03¼	-	.03½
tanks, works.....lb.	.02¾	-	—
liquid, 45% dms., c.l., works, frt. alld..lb.	.03	-	—
l.c.l., dms., same basis. lb.	.03½	-	—
tanks, same basis.....lb.	.02¾	-	—
solid, 88-92%, dms., c.l., works..lb.	.06¼	-	—
l.c.l.....lb.	.06½	-	.06¾
Chromate,[6] bgs.....lb.	.24	-	.28
Chlorate,[6] cryst., kgs., c.l., wks. lb.	.11	-	.11¾
l.c.l., works.....lb.	.119	-	.13
powd., dms., kgs., c.l., works. lb.	.09¾	-	.11¾
l.c.l., works.....lb.	.119	-	.13
export 1 to 10 tons, kgs., ex whse..lb.	.16	-	.18
Chloride, tech., cryst., 98%, bgs., kgs..lb.	.08	Nom.	
Citrate, USP, gran., bbls., dms. lb.	.33½	-	.38½
powd., 3c. per lb. higher.			
Cyanide,[6] dms., works.....lb.	.55	-	—
Fluoride, bbls.....lb.	.34	-	.40
Glycerophosphate, 75% s.o.l., cns., cbys..lb.	1.65	-	1.67
dms., 1,000-lb. lots.....lb.	1.50	-	—
100-lb. lots.....lb.	1.60	-	—
Guaiacolsulphonate, NF, dms.lb.	1.65	-	1.85
Hydroxide, USP, sticks, dms.lb.	.34	-	.36
Hypophosphite, cns.....lb.	.72	-	.75
Iodate, bots., 5 lbs.....lb.	3.46	-	—
cns., 25 lbs.....lb.	3.35	-	—
Iodide, bots., cns.....lb.	1.44	-	1.48
dms.....lb.	1.35	-	1.38
Manure salt, dom.,[6] 22% K_2O, f.o.b. Carlsbad, N. M..... unit-ton.	.20	-	—
Potash, manure salt, dom., 22% K_2O, seasonal contract discounts to March 31, 1945, 12%			
25% K_2O, same basis..... unit-ton.	.21	-	—
Metabisulphite, gran., bbls..lb.	.19	-	.21
powd., bbls.....lb.	.25	-	—
Muriate, dom.,[6] 60-62-63% K_2O, bulk, ex vessel, ports.. unit-ton.	.53½	-	—
Seasonal contract discounts to March 31, 1945, 12%			
granular, 50-52% K_2O..... unit-ton.	.53½	-	—
Russian,[7] future shipt., subject to safe arrival..unit-ton.	.53¼	-	—
Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M., are 11.2c. per unit of K_2O less than ex vessel price, basis Trona, Cal., 8c. per unit of K_2O less than ex vessel price at Pacific Coast ports.			
Nitrate (see Saltpeter).			
Oxalate, neutral, pure, gran., bbls., dms..lb.	.37	-	.50
tech., fine gran., bbls., dms. lb.	.28	-	.31
Perchlorate,[6] kgs., works....lb.	.09¾	-	.11
Permanganate, tech., dms., wks. lb.	.19¾	-	.20¼
USP, dms., works.....lb.	.20½	-	.21
Persulphate, dms., c.l., wks.lb.	.16	-	—
l.c.l., same basis.....lb.	.20	-	—
Prussiate, red, kgs.....lb.	.50	-	.53
Yellow, bbls.....lb.	.16	-	.17
Ricinoleate, tech., bbls.....lb.	.18	-	—
Silicate, glass, bgs., c.l., works. ton.	200.00	-	—
l.c.l.....100 lbs.	15.25	-	—
solution, 29° Be., ret. drums, c.l., works..100 lbs.	4.25	-	—
l.c.l., 5 or more, works. 100 lbs.	5.00	-	—
1-4, works.....100 lbs.	5.50	-	—
32° Be, ret. dms., c.l., wks. 100 lbs.	4.75	-	—
l.c.l., 5 or more, works. 100 lbs.	5.50	-	—
1-4, works.....100 lbs.	6.00	-	—
40.5° Be, ret. dms., c.l., wks. 100 lbs.	5.75	-	—
l.c.l., 5 or more, works. 100 lbs.	6.50	-	—
1-4, works.....100 lbs.	7.00	-	—
Sulphate, NF, gran.....lb.	.14	-	.20
powd., bbls.....lb.	.15	-	.21
tech., dom., bulk,[6] basis 90-95% K_2SO_4, min., 90% ex vessel, Alt. or Gulf ports.. ton.	36.25	-	—
Sulphocyanide, NF, dms.....lb.	.70	-	.78
Xanthate, dms., c.l.....lb.	.12	-	—
Potash-gold cyanide, 41% gold, bots., works..oz.	14.20	-	14.95
Potash-magnesia sulphate, bulk,[6] min., 40% K_2SO_4, 18.50% MgO, ex vessel, ports...ton.	26.00	-	—
Potash-soda ferricyanide, kgs., works..lb.	.40	-	.43
Potash-titanium oxalate, bbls., dms..lb.	.45	-	.50
Prickly ash bark, bls.....lb.	.23	-	.25
Berries, bgs.....lb.	.20	-	.21
Prince's pine herb, bls.....lb.	.65	-	.70
Procaine hydrochloride, cns., 100-lb. lots..lb.	3.75	-	—
smaller lots.....lb.	4.25	-	4.75
Propane,[1] industrial grade, tanks, Group 3..gal.	.03¾	-	—
Propyleneglycol,[6] dms., c.l., frt. alld. in E..lb.	.15½	-	—
l.c.l., same basis.....lb.	.16½	-	—
tanks, same basis.....lb.	.14½	-	—
Psyllium seed (see Fleaseed).			
Pulsatilla, bls.....lb.	.65	-	.66
Pumice, grd., fine, bgs., ton lots. lb.	.03⅜	-	—
smaller lots.....lb.	.03⅝	-	.04
coarse, 0½, 1, 1½, 2, 3, bgs., ton lots..lb.	.03⅜	-	—
smaller lots.....lb.	.03⅝	-	.04¼
Chi., ton lots.....lb.	.04½	-	—
Pumice in bbls. is ½c. per lb. higher.			
Pumpkin seed, bgs.....lb.	.38	-	.40
Purple lake (see Red).			
Putty, com'l, dms.....100 lbs.	3.15	-	—
linseed oil, raw, dms....100 lbs.	5.00	-	—
refined, dms.....100 lbs.	5.50	-	—
standard, dms.....100 lbs.	4.20	-	—
Pyrethrum,[1,6] concentrate, dewaxed, 20% for aerosol bombs, bbls., works....gal.	9.25	-	9.50
liquid (20 to 1), basis 2 grams pyrethrins per 100 cc., bbls., works..gal.	7.15	-	—
(30 to 1), basis 3 grams pyrethrins per 100 cc., bbls., works..gal.	10.05	-	—
flowers, coarse-grd., 0.9% pyrethrins, bbls., works..lb.	.31½	-	—
fine-grd., 0.9% pyrethrins, bbls., works..lb.	.33¾	-	—
powder, 0.5% pyrethrins, bbls., works..lb.	.25	-	—
Pyridin,[6] denaturing, ret. dms., works, frt. equald..gal.	1.55	-	1.60
refd., 2°, ret. dms., same basis. lb.	.45	-	.45½
Pyrites, Spanish, c.l.f. Atl. ports. long ton.	8.00	-	10.00
Pyrocatechin (see Catechol).			
Pyronate, dms., works....gal.	.75	-	1.25
Pyrophyllite, standard, 200 mesh, c.l., pap. bgs., mines..ton.	10.00	-	11.50
325 mesh, same basis....ton.	13.00	-	13.90
No. 3, 200 mesh, c.l., mines.ton.	8.00	-	—
325 mesh, same basis....ton.	11.00	-	—
Pyroxylin scrap, opaque, amber, cs., works..lb.	.17	-	—
black, cs., works.....lb.	.17	-	—
China, white, ivory, cs., works..lb.	.17	-	—
dense, white, cs., works..lb.	.17	-	—
gray, cs., works.....lb.	.17	-	—
mixed, mottled, cs., works. lb.	.14	-	—
translucent pastels, cs., wks. lb.	.17	-	—
transparent, cs., works....lb.	.19	-	—
colors, cs., works.....lb.	.17	-	—
shavings, amber, cs., works..lb.	.17	-	—
mixed colors, cs., works...lb.	.14	-	—
white, cs., works.....lb.	.17	-	—

Q

Quassia chips, bls.....lb.	.08	-	.09
Quebracho extract,[1,6] solid, 63%, bgs., c.l., ex dock, in bond, based on ocean freight, $12; insurance $1 per ton. Any difference for buyers account..lb.	.05⅝	-	.05⅝
clarified, 64%, bgs., c.l., same basis..lb.	.06½	-	.06⅝
dissolved, 35% tan., bbls., works..lb.	.04575	-	.0595
tanks, works.....lb.	.04075	-	—
ground, 70%, bgs., c.l.....lb.	.089	-	—
l.c.l., bgs.....lb.	.0915	-	—
Queen of the meadow root, bgs. lb.	.11	-	.13
Quercitron, crystals, bbls.....lb.	.26	-	—
extract, bbls., No. 1.....lb.	.10	-	—
No. 2.....lb.	.09½	-	—
No. 3.....lb.	.09	-	—
solid, bxs.....lb.	.18½	-	—
Quicksilver,[1] flasks (76 lbs. net) flask.	170.00	-	175.00
Quince seed, bgs.....lb.	1.30	-	1.75
Quinidine,[6] NF V, cryst., cns.oz.	1.06	+	.13½*
powd., precip., cns.....oz.	1.01	+	.13½
Sulphate, USP, cns.....oz.	.71	+	.13½

* Surcharge of 13½c. per oz.; see note under Quinine.

Quinine,[6] NF, cns., 100 ozs...oz.	.84	+	.13½*
Acetate, cns., 100 ozs.....oz.	1.05	+	.13½
Arsenate, cns., 100 ozs.....oz.	1.05	+	.13½
Arsenite, cns., 100 ozs.....oz.	1.07	+	.13½
Bisulphate, USP, cns., 100 ozs. oz.	.60	+	.13½
Citrate, cns., 100 ozs.....oz.	.78	+	.13½
Dihydrobromide, bots., 50 ozs.. oz.	.86	+	.13½
Ethylcarbonate, USP, cns., 100 ozs..oz.	1.25	+	.13½
Ferrocyanide, cns., 100 ozs...oz.	1.07	+	.13½
Formate, cns., 100 ozs.....oz.	1.00	+	.13½
Glycerophosphate, cns., 100 ozs. oz.	1.20	+	.13½
Hydrochloride, USP, cns., 100 ozs..oz.	.76	+	.13½
Hydrochlorosulphate, cns., 100 ozs..oz.	.81	+	.13½
Hydroiodide, cns., 100 ozs...oz.	1.05	+	.13½
Hyposulphite, cns., 100 ozs..oz.	1.07	+	.13½
Phosphate, NF, cns., 100 ozs.. oz.	.90	+	.13½
Salicylate, NF, cns., 100 ozs.oz.	.79	+	.13½
Sulphate, USP, cns., 100 ozs.oz.	.67	+	.13½
Sulphocarbolate, cns., 100 ozs.oz.	1.05	+	.13½
Tannate, USP X, cns., 100 ozs. oz.	.63	+	.13½
Tartrate, cns., 100 ozs.....oz.	1.03	+	.13½
Valerate, NF IV, 100 ozs....oz.	.99	+	.13½

* Surcharge to cover present war risk insurance, ocean freight rates, and additional expenses over the cost of usual business. Change in these controlling factors will be reflected in the surcharge invoiced.

Quinine-urea hydrochloride,[6] USP, cns..oz.	.81	+	.13½*
Quinoline, dms., c.l., works...lb.	.24½	-	.50

Surcharge:—See note under Quinine.

R

R salt, dry, bbls.....lb.	.65	-	—
paste, dms.....lb.	.52	-	—
Raspberries, dried, bls.....lb.	1.25	-	1.30
Red, alizarin lake,[5] bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb.	1.10	-	1.90
Prices ¼c. per lb. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.); Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. per lb. higher dlvd. Pacific Coast prices equaled with Chicago dlvd. Denver, Pueblo, Salt Lake City, Wichita.			
Cadmium lithopone, deep shade, bbls., E. Rockies..lb.	1.00	-	—
light shade, bbls., same basis..lb.	.85	-	—
Red, cadmium lithopone, medium shades, bbls., same basis, lb.	.30	-	—
Red cadmium lithopone, all shades, in smaller pkgs., 5c. per lb. higher.			
Carmine, 40 dms., 100-lb. lots, works..lb.	4.00	-	—
smaller lots, same basis..lb.	4.75	-	5.25
Crocus Martis (see Red, purple oxide).			
Dyes (see Dyes, red).			
Eosin toner, bbls., works....lb.	1.35	-	—
Firetoner, dom., bbls., works.lb.	.85	-	—
Indian, dom., pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N. Y..lb.	.09¼	-	—
80-85%, bbls., same basis.lb.	.09¾	-	—
imp., English, all shades..lb.	.12	-	—
Iron oxide, pure, bbls.....lb.	.09	-	.09¾
reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Pa.; Copley, O.; Easton, Pa., and E. St. Louis..lb.	.08¾	-	—
80% copperas oxide, bbls., same basis..lb.	.085	-	.096
Lacquer, maroon, bbls., works. lb.	1.25	-	—
Lake C toner, alizarin, bbls., works..lb.	.90	-	—
Lithotoner, alizarin, lake, bbls., works..lb.	.60	-	—
Pink, bbls., works.....lb.	.20	-	.25
Rose lake, bbls., works....lb.	.25	-	.26
Lithol-rubin toner, alizarin lake, bbls., works..lb.	1.10	-	—
Maroon, alizarin lake, 25%, kgs., works..lb.	.40	-	—
Cadmium, bbls., works....lb.	1.10	-	—
deep, bbls., same basis..lb.	1.20	-	—
Maroon, in smaller pkgs., higher.	5c. per lb.		
Mercury oxide,[2] tech., bbls., 10,000 lbs., works..lb.	2.75	-	—
smaller lots.....lb.	2.75	-	—
Metallic, bbls., Pa., works..lb.	.92	-	—
Orange, Persian (see O).			
Oxide (see Red, iron oxide).			
Selenide, dark, bbls., works. lb.	2.50	-	—
light, same basis.....lb.	2.20	-	—
Orange (see Orange).			
Para[3] toner, concent., alizarin lake, kgs., works..lb.	.70	-	—
Phloxin toner (see Red, Eosin toner).			
Phosphotungstic rhodamine, Y, kgs., works..lb.	4.15	-	—
Purple, lake, kgs.....lb.	1.00	-	—
Scarlet ink toner, kgs., works. lb.	.55	Nom.	
alizarin, lake, kgs., works..lb.	.35	-	—
Spanish oxide, grade 1, c.l., bbls..lb.	.04¾	-	.07¾
Toluidin toner, alizarin lake, kgs., works..lb.	1.05	-	—
M.N.P.T. maroon toner, kgs., works..lb.	3.25	-	—
Turkey, bbls., works.....lb.	.14½	-	—
Tuscan, bbls., E. St. L.....lb.	.11	-	—
Venetian, 5%, bbls., works..lb.	.0220	-	—
10%, bbls., works.....lb.	.0245	-	—
15%, bbls., works.....lb.	.0265	-	—
20%, bbls., works.....lb.	.02¾	-	—
25%, bbls., works.....lb.	.03	-	—
30%, bbls., works.....lb.	.03¼	-	—
35%, bbls., works.....lb.	.0360	-	—
40%, bbls., works.....lb.	.04	-	—
Vermilion, Amer., bbls.....lb.	.25	-	.40
Quicksilver, bbls.....lb.	2.75	-	2.88
Red precipitate,[3] NF, powd., fib. dms..lb.	2.90	-	2.92
Red saunders wood, grd., bbls.lb.	.35	-	—
Resorcinol, tech., dms., frt. alld. E. of Miss..lb.	.68	-	.75
USP, cryst., dms., 100 lbs., frt. alld. E. of Miss..lb.	1.80	-	—
Rhatany root, bgs.....lb.	.16	-	.17
Rhubarb, whole, cs.....lb.	.75	-	.80
powd., bbls.....lb.	.80	-	.85
Riboflavin, bots., 100 grams.kilo.	200.00	-	—
Rice bran concentrate, dms., Cedartown, Ga. or Emeryville, Calif., seller's option. lb.	.79	-	—
Rochelle salt, cryst., bbls., 5,000 lbs., 1 shipt'..lb.	.43¼	-	—
smaller lots.....lb.	.44	-	.47
powd., bbls., 5,000 lbs., 1 shipt'..lb.	.42½	-	—
smaller lots.....lb.	.43	-	.46
Rose flowers, pale, bls.....lb.	.45	-	.50
Rosemary flowers, bls.....lb.	1.45	-	1.50
Leaves, Portuguese, bls.....lb.	.11	-	.11¼
Spanish, bls.....lb.	.13¾	-	.14¼
Rosin, gum,[1,3]—			
B, dms., c.l.....100 lbs.	5.90	-	—
D, dms., c.l.....100 lbs.	5.97	-	—
E, dms., c.l.....100 lbs.	6.50	-	—
F, dms., c.l.....100 lbs.	6.60	-	—
G, dms., c.l.....100 lbs.	6.64	-	—
H, dms., c.l.....100 lbs.	6.68	-	—
I, dms., c.l.....100 lbs.	6.66	-	—
K, dms., c.l.....100 lbs.	6.70	-	—
M, dms., c.l.....100 lbs.	6.72	-	—
N, dms., c.l.....100 lbs.	6.88	-	—
W.G., dms., c.l.....100 lbs.	7.13	-	—
W.W., dms., c.l.....100 lbs.	7.40	-	—
X, dms., c.l.....100 lbs.	7.40	-	—
Wood, F.F.,[1,3] dms., c.l.... 100 lbs.	4.32½	-	4.35
l.c.l. .....100 lbs.	4.62½	-	4.65
Rotenone,[1,6] CP, bbls., works.	10.90	-	—
extract, liq., dms., works..... per unit.	1.05	-	—
powder (see Cube root).			
Rottenstone, bgs., c.l., mines..ton.	25.50	-	—
l.c.l., same basis.....ton.	37.50	-	—
Rue, bls.....lb.	.70	-	.75

S

Sabadilla seed, powd., bbls....lb.	.32	Nom.	
Saccharin,[1] soda (soluble), dms., makers, primary distrib., 1,000 lbs. and up..lb.	1.30	-	1.35
smaller lots, same basis..lb.	1.40	-	1.60
Saffron, Mexican, bls.....lb.	1.20	-	1.30
Spanish, tins.....lb.	41.00	-	42.00
Safrol, cns.....lb.	1.10	-	1.25
Sage,[1] Calif., Dalmatian type, bls., f.o.b. Pacific Coast..lb.	.80	-	.81
leucophylla, bgs., Pacific Coast lb.	.45	-	.50
Cyprus, good, bls.....lb.	.20	-	.20½
fair, bls.....lb.	.16	-	.16½
Sage, Greek type, fair, bls....lb.	.33	-	.33½
good, bls.....lb.	.38	-	.38½
Palestine, bls.....lb.	.16	-	.16¾
Spanish, bls.....lb.	.25	-	.25½
Sago flour, bgs.....lb.	.05	-	.05¾
Salicin, bots., 5 lbs.....lb.	No stocks		
cns., 25 lbs.....lb.	No stocks		
Saligenin, dms.....lb.	15.00	-	20.00
Salol, gran., bbls., kgs.....lb.	.90	-	.95
fib. dms.....lb.	.92	-	.98
powder, 10c. per lb. higher.			
Salt, rock, bgs., c.l.....ton.	14.20	-	—
l.c.l., bgs.....ton.	17.20	-	18.00
vacuum, common, fine, bgs., c.l...ton.	15.70	-	—
l.c.l. .....ton.	19.60	-	23.20
Saltcake, dom., bulk, works.	ton. 15.00	-	—
Chrome (see Chrome cake).			
Saltpeter, dbl. ref. gran., bbls., 10 tons...100 lbs.	8.20	-	—
smaller lots.....100 lbs.	8.35	-	8.60
powd., bbls., 10-20 tons.... 100 lbs.	9.20	-	—
smaller lots.....100 lbs.	9.35	-	9.60
Sanguinarine nitrate, bots....oz.	8.75	-	—
Santonin, cryst., cns.....kilo.	190.00	-	200.00
Saponin, No. 1, cns.....lb.	1.75	-	1.90
No. 2, cns.....lb.	1.40	-	—
Sarsaparilla root, Amer., bls..lb.	.35	-	.37
Honduras, bls.....lb.	.45	-	.50
Mexican, bls.....lb.	.23	-	.24
Sassafras bark, ord., bls.....lb.	.40	-	.45
select, bls.....lb.	.60	-	.65
Savory, Spanish, bls.....lb.	.23	-	.24
dom., bls., f.o.b. Calif.....lb.	.82	-	.83
Saw palmetto berries, bgs.....lb.	.20	-	.21
Scammony resin, lump, cns...lb.	1.30	-	—
powd., cns.....lb.	1.35	-	—
Root, bgs.....lb.	.08	-	.10
Schaeffer's salt, bgs.....lb.	.46	-	—
Scullcap, Eastern, bls.....lb.	No stocks		
Seidlits mixture, bbls., 5,000 lbs., 1 shipment..lb.	.33¾	-	—
smaller lots.....lb.	.34¼	-	—
kegs, 5,000 lbs, 1 shipm't..lb.	.34¼	-	—
smaller lots.....lb.	.34¾	-	—
Selenium, pwd., cs., 1,000 lbs..lb.	1.75	-	—
cns., 10 lbs.....lb.	1.85	-	—
Senega, root, spot, lbs.....lb.	1.10	-	1.15
Senna, Alex., half-leaf, bls....lb.	.19	-	.22
siftings, bgs.....lb.	.18	-	.19
Tinnevelly, No. 1, bls.....lb.	.16	-	.16½
2, bls.....lb.	.11½	-	.12
3, bls.....lb.	.10	-	.10½
powd., bbls., bgs.....lb.	.15	-	.17
Pods, bls.....lb.	.09	-	.10
Serpentaria root, bls.....lb.	1.40	-	1.50
Sesame seed,[1] Chinese, hulled, bgs..lb.	.13½	-	.14
Indian, hulled, recleaned, bgs. lb.	No stocks		
natural, bgs.....lb.	.11	Nom.	
Shellac, bonedry, bbls., 1,000 lbs., lots..lb.	.42½	-	—
Boston .....lb.	.43¼	-	—
Chicago .....lb.	.44	-	—
Pacific coast.....lb.	.46	-	—
refined, bbls., 1,500-lb. lots..lb.	.48½	-	—
Boston .....lb.	.49¼	-	—
Chicago .....lb.	.50	-	—
Pacific coast.....lb.	.52	-	—
Bonedry shellac sales of less than 1,500 lbs., at following additions to maximum prices:—(1) packed in bgs., ¾c. per lb., (2), bbls., 1c. more; (3) kgs., 3c. more.			
D.C., V.S.O., Diamond I, bgs., lots of 100..lb.	.4660	-	—
Garnet, bgs., lots of 100....lb.	.3890	-	—
Superfine, bgs., Boston, N. Y., lots of 100..lb.	.3660	-	—
Chicago, lots of 100.....lb.	.3710	-	—
Pacific coast, lots of 100...lb.	.3960	-	—
TN, bgs., Boston., N. Y., lots of 100..lb.	.3550	-	—
Chicago, lots of 100.....lb.	.3600	-	—
Pacific coast, lots of 100...lb.	.3805	-	—
Shellac in cs., 2c. higher. Shellac sales, 1 bg. or 1 cs., 5c. additional; 1 to 9 bgs. or cs., 2c. more; 10 to 99 bgs., cs., 1c. more.			
Silica, amorph., dry-grd., 325 mesh, bgs., c.l., Ill., works. ton.	17.00	-	—
l.c.l., same basis....ton.	20.00	-	—
400 mesh, bgs., c.l., same basis..ton.	18.00	-	—
l.c.l., same basis....ton.	19.00	-	20.00
wet-grd., 325 mesh, bgs., c.l., same basis..ton.	18.00	-	—
l.c.l., same basis....ton.	21.00	-	—
400 mesh, bgs., c.l., same basis..ton.	30.00	-	—
l.c.l., same basis....ton.	35.00	-	38.00
96-98%, 325 mesh, bgs., c.l., same basis..ton.	20.00	-	—
l.c.l., same basis....ton.	21.50	-	23.00
99%, 325 mesh, bgs., c.l., same basis..ton.	20.00	-	—
l.c.l., same basis....ton.	22.00	-	25.00
hard-quartz, 99½%, 325 mesh, bgs., c.l., same basis..ton.	15.50	-	—
l.c.l., same basis....ton.	18.50	-	—
140 mesh, bgs., c.l., same basis..ton.	11.00	-	—
l.c.l., same basis....ton.	16.00	-	—
Silicon tetrachloride, tech., 55-gal. dms., c.l., works..lb.	.15½	-	—
l.c.l., works.....lb.	.18½	-	—
10 gals., works.....lb.	.27	-	—
Silver bullion.....oz.	.44¾	-	—
govt. purchase, dom.....oz.	.7111	-	—
govt. purchase,[1] foreign...oz.	.44¾	-	—
Cyanide, cns., 100 ozs.....oz.	.41½	-	—
Nitrate, 100-oz. bots.....oz.	.32¾	-	—
Nucleinate, bots., dms.....oz.	.308	-	.358
Proteinate, bots., dms.....oz.	.288	-	.328
Simarubra bark, bls.....lb.	.52	-	.55
Skunk cabbage root, bls.....lb.	.40	-	.45
Slate flour, bgs., c.l., works..ton.	11.00	-	12.00
l.c.l., works.....ton.	12.00	-	13.00
Sloe berries, bgs.....lb.	.40	-	.41
Smalt, black, ctns.....lb.	.05	-	.08
Blue, ctns.....lb.	.07	-	.08¼
Snakeroot, Canada, bls.....lb.	.80	-	.85
Soapbark, bls.....lb.	.11¾	-	.12¾
crushed, bls., bbls.....lb.	.13	-	.14
cut, dom., bls., bbls.....lb.	.16	-	.19
imp., bbls.....lb.	.18	-	.19
powd., bbls.....lb.	.16	-	.17
Soda acetate, anhyd., dms., divd. lb.	.08½	-	.10
NF, bbls., divd.....lb.	.09¼	-	.10
Tech., 60%, l.c.l., divd.....lb.	.05½	-	.06
Alginate, refined, water-soluble, bbls., works..lb.	.79	-	—
semi-refined, bbls., works..lb.	.42	-	—
white, powd., dms.....lb.	1.50	-	1.80
Aluminate,[6] for water treat., bgs., c.l., works..100 lbs.	7.50	-	—
l.c.l., works.....100 lbs.	8.40	-	—
other uses, bgs., c.l., works. 100 lbs.	7.00	-	—
l.c.l. .....100 lbs.	7.50	-	8.00
Antimoniate, bbls., divd.....lb.	.16	-	.16½
Arsenate,[6] dms., dealers, c.l., works..lb.	.09½	-	—
l.c.l., same basis.....lb.	.10¾	-	.11¼
Arsenite,[6] gray, dms., dealers, c.l., works..lb.	.06¼	-	—
l.c.l., works.....lb.	.09	-	.10
Soda arsenite, gray, ¾c. higher in Chi.; 2c. higher in Houston, Tex., and Palo Alto, Calif.			
Ash, dense, 58%, bgs., c.l., works..100 lbs.	1.16	-	—
l.c.l., dlvd., zone 1..... 100 lbs.	2.18	-	—
2 .....100 lbs.	2.33	-	—
3 .....100 lbs.	2.58	-	—
4 .....100 lbs.	2.98	-	—
bbls., c.l., works...100 lbs.	1.35	-	—
2 .....100 lbs.	2.50	-	—
3 .....100 lbs.	2.75	-	—
4 .....100 lbs.	3.15	-	—
bulk, c.l., works...100 lbs.	.95	-	—
extra light, 58%, bgs., c.l.... 100 lbs.	1.18	-	—
l.c.l., dlvd., zone 1..... 100 lbs.	2.13	-	—
2 .....100 lbs.	2.28	-	—
3 .....100 lbs.	2.53	-	—
4 .....100 lbs.	2.98	-	—
bbls., c.l., works....100 lbs.	1.45	-	—
l.c.l., dlvd., Zone 1..... 100 lbs.	2.45	-	—
2 .....100 lbs.	2.60	-	—
3 .....100 lbs.	2.85	-	—
4 .....100 lbs.	3.25	-	—
bulk, c.l.....100 lbs.	.90	-	—
light, 58%, bgs., c.l., works, 1..... 100 lbs.	1.06	-	1.13
l.c.l., dlvd., Zone 1..... 100 lbs.	2.13	-	—
2 .....100 lbs.	2.28	-	—
3 .....100 lbs.	2.53	-	—
4 .....100 lbs.	2.98	-	—
bbls., c.l., works...100 lbs.	1.35	-	—
l.c.l., dlvd., Zone 1..... 100 lbs.	2.35	-	—
2 .....100 lbs.	2.50	-	—
3 .....100 lbs.	2.75	-	—
4 .....100 lbs.	3.15	-	—

TWINS AVAILABLE

The twin compounds, cyclohexylamine and dicyclohexylamine, can be shipped immediately . . . in commercial quantities . . . by Monsanto.

Cyclohexylamine has applications in the fields of corrosion inhibitors, paint film solvents, emulsifying agents, petroleum, dyestuffs and chemical manufacture. It has possible uses in the manufacture of plasticizers, as a curing agent for soya bean molding powders, as a color stabilizing agent in vinyl resins, in dry-cleaning soaps, as a blending agent for alcohol-gasoline mixtures and in the manufacture of insecticides.

Dicyclohexylamine is used in extreme-pressure lubricants, in the manufacture of cutting oils and in the production of chemicals. Some derivatives have special application as insecticides.

For technical data, and samples of these low-priced alicyclic amines, contact the nearest Monsanto office or mail the coupon to MONSANTO CHEMICAL COMPANY, Organic Chemicals Division, 1700 South Second Street, St. Louis 4, Missouri. District Offices: New York, Chicago, Boston, Detroit, Charlotte, Birmingham, Los Angeles, San Francisco, Seattle, Montreal, Toronto.

(These suggested uses are for illustration and are not to be construed as recommending violation of any patent.)

CYCLOHEXYLAMINE

(Also known as hexahydroaniline)

Clear, practically colorless liquid.

Distilling Range	132.0 to 137.5°C
Sp. Gr. at 15.5/15.5°C	0.870 to 0.874
Flash Point (by "Tag" open cup)	90°F
Fire Point (by "Tag" open cup)	90°F

Cyclohexylamine is a primary amine, being more aliphatic than it is aromatic in nature.

DICYCLOHEXYLAMINE

Clear, practically colorless liquid.

Distilling Range	252.0 to 258.0°C
Sp. Gr. at 15.5/15.5°C	0.916 to 0.920
Flash Point (by "Tag" open cup)	Above 200°F
Fire Point (by "Tag" open cup)	Above 200°F

Dicyclohexylamine, a strong base, is only slightly soluble in water. It is soluble in all common organic solvents.

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FREE SAMPLES and TECHNICAL LITERATURE

MONSANTO CHEMICAL COMPANY
Dept. I-5, Organic Chemicals Division,
1700 S. Second St., St. Louis 4, Mo.

Please send me your free technical bulletin No. 27 on Cyclohexylamine and Dicyclohexylamine and samples as indicated:
☐ Cyclohexylamine; ☐ Dicyclohexylamine.

Name_____
Company_____
Street_____
City_____ Zone____ State____

Soda ash, light, 58%, bulk, c.l., 100 lbs. .90 - —

Soda ash sales zones are:—(1) All States E. of Miss. R. and N. of south. bound. of Ky. and Va.; also Ala., La., and Miss., S. of 31°, Tex. E. of 100°, S. of 31°, Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia., and St. Louis; (2) Ark., E. of 98°, Ga.; Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb. E. of 98°, N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La., and Miss. No. of 31°; (3) Ark. W. of 98°, Kans., Neb., W. of 98°, N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls (excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.

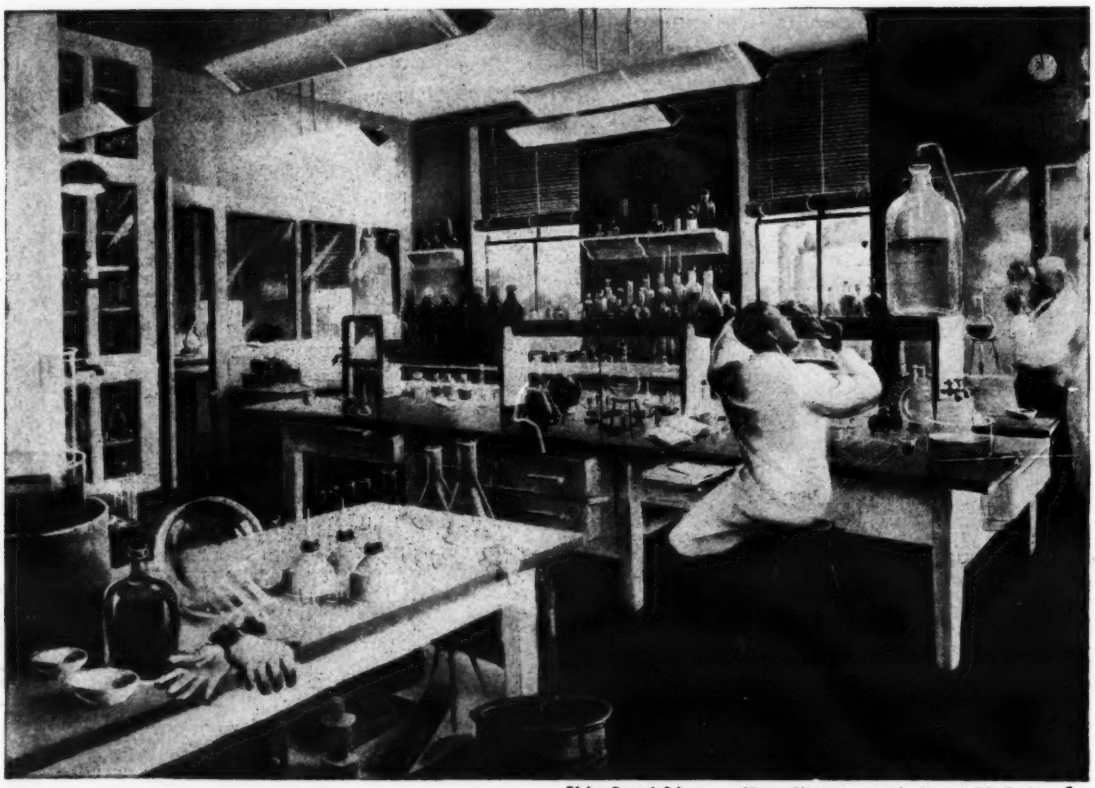
Benzoate, tech., bbls., 2 tons or more..lb. .39 - —
smaller lots.....lb. .40 - .41
USP, dms., 2 tons or more..lb. .46 - —
smaller lots.....lb. .47 - .52
Bicarbonate, tech., bgs., c.l., works..100 lbs. 1.55 - —
l.c.l. .....100 lbs. 1.90 - —
USP, gran., bgs., c.l., works. 100 lbs. 2.10 - —
l.c.l. .....100 lbs. 2.45 - —
Bichromate,[1,6] bbls., cks., c.l., works..lb. .07⅞- —
l.c.l., works.....lb. .08½- .08½
Soda bichromate in bgs., ½c. less.
Bifluoride, bbls., c.l., frt. alld. E..lb. .11½- —
l.c.l., same basis.....lb. .12 - .14
kgs., same basis.....lb. .12½- .14
Bisulpnite, powd, bbls., c.l., works..100 lbs. 3.00 - 3.10
l.c.l., works.....100 lbs. 3.50 - 3.60

Soda bisulphide, solut., 32° bbls., c.l., works..100 lbs. 1.30 - —
l.c.l., works.....100 lbs. 1.55 - —
30°, bbls., c.l., works.100 lbs. 1.35 - —
l.c.l., works.....100 lbs. 1.30 - —
35°, bbls., c.l., works.100 lbs. 1.40 - —
l.c.l., works.....100 lbs. 1.65 - —
40°, bbls., works.....100 lbs. 1.55 - —
l.c.l., works.....100 lbs. 1.80 - —
Bromide, USP, gran., bbls., 500 lbs., works..lb. .25 - —
fiber dms., works, 100 lbs., lb. .26 - —
Cacodylate, 5-lb. bots., works, lb.17.00 - —
Carbonate (see Soda ash, soda monohydrate, soda sal).
Caustic, flake, powd., 76%, dms., c.l., works..100 lbs. 2.70 - —
l.c.l., Zone 1, dlvd..... 100 lbs. 3.55 - —
2, dlvd.....100 lbs. 3.70 - 5.05
3, dlvd.....100 lbs. 3.95 - 5.30
4, dlvd.....100 lbs. 4.35 - 5.70
liquid, 47-49%, buyers' tanks, works..100 lbs. 1.92½- —
sellers' tanks, works..... 100 lbs. 1.95 - —
70%, buyers' tanks, works.. 100 lbs. 1.97½- —
sellers' tanks, works.... 100 lbs. 2.00 - —
solid, 76%, dms., c.l., works, 100 lbs. 2.30 - —
l.c.l., Zone 1, dlvd..... 100 lbs. 3.15 - —
2, dlvd.....100 lbs. 3.30 - —
3, dlvd.....100 lbs. 3.55 - —
Caustic soda zones are same as soda ash Chloride (see Salt).
Chlorate,[6] cryst., kgs., c.l., works..lb. .06¼- —
l.c.l., works.....lb. .06½- —
powd., kgs., c.l., works....lb. .06½- —
l.c.l., works.....lb. .07 - .08⅛

Soda, chromate,[1,6] bbls., cks., c.l., works, frt. equaid..lb. .09¼- —
l.c.l., works, frt. equaid..lb. .09½- .09¾
Soda chromate in bgs. is ½c. lower.
Cinchophen, bots., dms.....lb. 3.75 - 3.85
Citrate, USP VIII, bbls.....lb. .18½- —
dms. .....lb. .19½- .22½
USP XII, gran., bbls.....lb. .24 - —
dms. .....lb. .25 - .29
powd., bbls.....lb. .24½- —
dms. .....lb. .25½- .29½
Cyanide,[6] 96-98%, dms.....lb. .14½- .15
Diacetate, 33-35% acidity, bbls., dlvd..lb. .09¼- .10½
anhyd., dms., dlvd.....lb. .12½-
Fluoride, white, 90%, bbls., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
95%, bbls., c.l., works..lb. .07¼- —
l.c.l., works.....lb. .08¼- —
Soda fluoride prices at Los Angeles are f.a.s. works.
Formate, bgs., c.l., works...lb. .0655- —
l.c.l., works.....lb. .068 - —
Glutamate, monobasic, kgs..lb. 1.04 - 1.06
Hydrosulphite, dms., frt. alld., lb. .17 - .18
Hydroxide, USP, sticks, dms., lb. .24 - .26
Hypophosphite, NF, cns.....lb. .67 - .70
Hyposulphate, NF, cryst., bbls., 1,000 lbs..lb. 1.25 - —
dms. .....lb. 1.40 - —
powdered, 5c. higher.
solution, 50%, obys., cns...lb. .82 - .90
Hyposulphite, cryst., bgs., c.l., works, frt. equaid..100 lbs. 2.25 - —
l.c.l., same basis.100 lbs. 2.50 - —
pea, bgs., c.l., works.100 lbs. 2.60 - —
l.c.l., works.....100 lbs. 2.75 - 2.95
Soda, hyposulphite, crystals in bbls., 20c. higher; pea crystals, dms., 50c. higher.

Soda iodate, dms., jars.....lb. 5.40 - 5.48
Iodide, bots.....lb. 2.53 - 2.57
dms., jars.....lb. 2.42 - —
Mandelate, dms.....lb. 3.25 - 3.35
Metanilate, bgs.....lb. .40 - —
Metasilicate, anhyd., dms., c.l., works, frt. equaid..100 lbs. 4.00 - —
l.c.l., same basis...100 lbs. 4.90 - 5.80
gran., bbls., c.l., works, frt. equaid..lb. 2.50 - —
l.c.l., dlvd.....100 lbs. 3.30 - 3.55
Methylate, bots., works.....lb. 1.00 - —
ons., works.....lb. .55 - .60
dms., works.....lb. .45 - .60
Molybdate,[6] anhyd., kgs., works, lb. .47 - —
Monohydrated, bgs., c.l..100 lbs. 2.90 - —
works .....100 lbs. 2.45 - —
Naphthionate, bbls.....lb. .50 - —
Nitrate,[6] crude, dom., 100-lb. bgs., cl., works..ton.30.05 - —
bulk, same basis.....ton.27.00 - —
imp., 100-lb. bgs., c.l., Atl., Gulf, Pac., whse..ton.33.00 - —
200-lb. bgs., same basis, ton.32.40 - —
bulk, same basis.....ton.30.00 - —
refd., gran., bbls., 10 tons... 100 lbs. 3.60 - —
smaller lots.....100 lbs. 3.75 - 4.00
Nitrite, 96-98%, bbls., c.l., wks., frt. equaid..lb. .06¾- —
West Coast ports.100 lbs. 8.00 - 8.85
l.c.l., dlvd.....100 lbs. 8.90 -11.90
Orthosilicate, anhyd., dms., c.l., works, frt. equaid..... 100 lbs. 4.50 - —
l.c.l., same basis..100 lbs. 5.45 - 5.85
flake, dms., c.l., wks..100 lbs. 3.15 - —
l.c.l., dlvd.....100 lbs. 4.30 - 4.55
Oxalate, neut., bgs., works..lb. .10 - —
Pantothenate, dest., 100-gram bots..per gram. .10 - —
Pentachlorophenate, briquets, bgs., works, frt. equaid.lb. .17 - .18
powd., bgs., c.l., works, frt. equaid..lb. .16 - .16½
lb. .16 - .16½
l.c.l. works, frt. equaid.lb. .17 - —
kgs., works, frt. equaid..lb. .19 - —
Perborate,[6] NF, bbls., c.l., works..lb. .14¾- —
l.c.l.. works.....lb. .15¼- —
Peroxide,[6] dms., c.l., dlvd. E. of Miss..lb. .14 - —
smaller lots.....lb. .17 - —
Phosphate,[6] dibasic, tech., anhyd., bgs., c.l., works..... 100 lbs. 6.00 - 6.25
l.c.l., works....100 lbs. 6.50 - 7.25
cryst., bgs., c.l., works.. 100 lbs. 2.55 - 2.70
l.c.l., works.....lb. 2.95 - 3.45
USP XII, gran., bbls., dms., works..lb. .10 - —
dried, bbls., dms., works. lb. .16 - —
monobasic, anhydrous, bgs., c.l., works..100 lbs. 7.25 - 8.25
l.c.l., works.....100 lbs. 8.00 - 9.00
tribasic, anhydrous, bgs., c.l., works, frt. equaid..100 lbs. 6.00 - —
l.c.l., same basis..100 lbs. 6.50 - —
cryst.,[6] bgs., c.l., same basis, 100 lbs. 2.70 - —
l.c.l., same basis..100 lbs. 3.40 - —
kgs., c.l., works...100 lbs. 3.40 - —
l.c.l., works.....100 lbs. 4.15 - —
USP (see Sodium phosphate, dibasic).
Soda phosphate in bbls. is 20c. higher.
Prussiate, yellow, bgs.....lb. .10¾- —
bbls. .....lb. .11 - —
Pyrophosphate,[6] tetra-basic, anhyd., bgs., c.l., works, frt. equaid..100 lbs. 5.25 - —
l.c.l., same basis..100 lbs. 5.40 - —
Ricinoleate, tech., bbls.....lb. .12 - —
Sal, bgs.....100 lbs. 1.35 - —
works .....100 lbs. 1.10 - —
bbls. .....100 lbs. 1.40 - —
works .....100 lbs. 1.20 - —
Salicylate, dms.....lb. .52 - .55
Sesquicarbonate, b g s., c.l., works..100 lbs. 1.50 - —
bbls., c.l., works.....100 lbs. 1.70 - —
l.c.l., zone 1, dlvd...100 lbs. 2.70 - —
2, dlvd.....100 lbs. 2.85 - —
3, dlvd.....100 lbs. 3.10 - —
4, dlvd.....100 lbs. 3.50 - —
Soda sesquicarbonate l.c.l. price zones are same as those for soda ash.
Sesquisilicate, dms., c.l., works, 100 lbs. 3.05 - —
l.c.l., dlvd.....100 lbs. 4.05 - 4.30
Silicate, 40° turbid, dms., c.l., works..100 lbs. .80 - —
l.c.l., works.....100 lbs. 1.05 - 1.20
tanks, works.....ton.12.00 - —
52°, dms., c.l., works..100 lbs. 1.40 - —
l.c.l., works.....100 lbs. 1.65 - 1.80
tanks, works.....ton.25.00 - —
Silicofluoride, bbls., c.l., works, lb. .06½- .07
l.c.l., same basis.....lb. .08 - .10
Stannate, dms., works, frt. alld. E..lb. .32½- .36½
Stearate, bbls., works.....lb. .19 - .24
Sulphate, NF, dried, powd., bbls..lb. .07 - .07½
tech., anhyd., bgs., bbls., c.l., works..100 lbs. 1.70 - 1.90
5 tons or more, works.. 100 lbs. 1.95 - 2.15
less than 5 tons, works. 100 lbs. 2.20 - 2.40
cryst. (see Glauber's salt).
USP, cryst., gran., bbls..lb. .07 - .10
Sulphadiazin, USP, dms.....lb.10.50 - —
Sulphamerazin, dms.....lb.10.50 - —
Sulphathiazole, USP, dms., 1,000-lb. lots..lb. 2.50 - —
500-lb. lots.....lb. 2.60 - —
smaller lots.....lb. 2.65 - 2.80
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.40 - —
l.c.l., dlvd.....100 lbs. 2.90 - 3.15
solid, bbls., c.l., works.100 lbs. 3.15 - —
l.c.l., dlvd.....100 lbs. 3.65 - 3.90
Sulphite, cryst., bgs., c.l., works 100 lbs. 2.10 - —
l.c.l., works.....100 lbs. 2.35 - —
bbls., c.l., works.....100 lbs. 2.30 - —
l.c.l., works.....100 lbs. 2.55 - —
powd., bbls., c.l.....100 lbs. 5.25 - —
l.c.l. .....100 lbs. 5.50 - 6.00
Sulphocarbolate, USP IX, gran., bbls., dms..lb. .28 - .38
powd., bbls.....lb. .30 - .35
Sulphocyanide, CP, dms.....lb. .58 - .65
Sulphohydrate, liquid, 38%, basis 100%, dms., c.l., works, lb. .05½- —
l.c.l., works.....lb. .06 - .08
tanks, works.....lb. .04½- —
flake, 70-72%, dms., c.l., works lb. .04½- —
l.c.l., works.....lb. .05 - —
Sulphoricinoleate, bbls.....lb. .12 - —
Tetrapyrophosphate,[6] anhyd., bgs., c.l., works, frt. equaid..100 lbs. 5.25 - —
l.c.l., same basis..100 lbs. 5.40 - —
Thiosulphate (see Soda hyposulphite).
Tungstate,[6] tech., kgs.....lb. 1.35 - 1.50
Soda-formaldehyde sulphoxalate, stand cont. (125-250 lbs.)..lb. .19 - .23
Solvent naphtha,[6] dms., wks.gal. .32 - —
tanks, E. of Omaha, frt. alld. to 2c. per gal..gal. .27 - —
Minnequa, Colo.....gal. .27 - —
high-flash,[6] dms., works, gal. .32 - —
tanks, frt. alld. E. of Omaha to 2c. per gal..gal. .27 - —

Source of "Firsts"



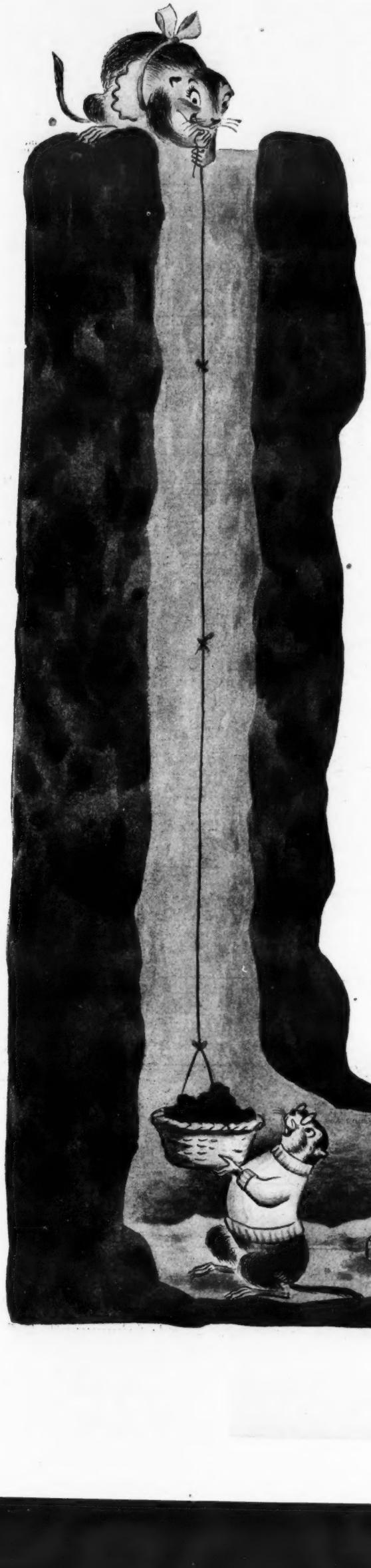
Modern Research Laboratory at Niagara Plant as interpreted by the artist, John Gaydos

THE FACT that Niagara was the first to produce several important electro-chemical products in this country is due in great part to the efficiency of its research. Niagara's research activities are under the supervision of men of long and thorough experience in electro-chemical development, manufacture, and usage. This has enabled Niagara to give valuable cooperation to many industries using such products in the processing of war materials. It will prove of equal value in helping these industries convert efficiently to peacetime manufacture. Look to Niagara for experienced chemical service.

Niagara ALKALI COMPANY

60 EAST 42nd STREET, NEW YORK 17, N. Y.

CAUSTIC POTASH • CAUSTIC SODA • PARADICHLOROBENZENE • CARBONATE OF POTASH • LIQUID CHLORINE



The Gopher
and the packaging problem

The American Gopher has energy to burn.

He can dig a tunnel two hundred yards long in two days flat . . . all by himself.

Imagine what he could do if he "teamed up" all gophers. Why in no time they could tunnel a network of subways that would make this nation one huge Swiss cheese.

But don't worry. Gophers are not interested. They won't lend each other a helping hand.

People, however . . .

They're not like American humans who are always wondering how they can co-operate with the other fellow. As f'rinstance (and you'll pardon us) we like to do here at American Can Company. Here's what we mean:

A manufacturer's product isn't paying as well as it might. For one thing, he knows he has the wrong package. Does he burrow his nose in the ground?

He brings his problem to American Can Company and asks co-operation of our merchandising staff. It is given to him gladly. And without charge.

A canner is having trouble with his pack. If the difficulties are not remedied, serious financial reverses may be suffered. Does he dig a hole for himself? No. He calls in an American Can engineer. We help him locate his trouble.

. . . And no gophers here!

A dietitian needs new menu slants. So she calls upon our Home Economics Kitchen. (In addition, as an aid to Home Economists, we distribute thousands of booklets on the subject of canned foods.)

And so, here at American Can, we don't play gopher. We co-operate with folks who believe we can help them. It's part of our business philosophy.

We're at your service.

CANCO

AMERICAN CAN COMPANY
230 Park Avenue New York 17, N. Y.

Solvent naphtha, wire enamel,[5] ret. dms., c.l., frt. equalized..gal. .27 - —
l.c.l., same basis.....gal. .30 - —
tanks, works.....gal. .22 - —
Soybean meal,[1] 41%, Decatur, bulk, c.l..ton.45.00 - —
Protein, alpha, bgs., 40,000-60,000 lbs., works..lb. .20 - —
20,000-40,000 lbs., works.lb. .20½- —
smaller lots, works.....lb. .20½- .24
Sorbitol,[6] com'l, dms., c.l., works, lb. .14¾- —
l.c.l., works.....lb. .15½- —
Sparteine sulphate, bots., cns..oz. 1.60 - 1.90
Spearmint leaves, bls.....lb. .48 - .49
Spikenard root, bls.....lb. .33 - .34
Spruce extract, liq., reg., bbls., c.l., works..lb. .02½- —
tanks, works.....lb. .01½- —
pwd., super. bgs., c.l., wks..lb. .04½- —
Squaw vine, bls.....lb. .58 - .65
Squill, red, fortified, powd., bbls., bxs..lb. 2.25 - —
White, bls.....lb. .14 - .16
powd., bbls., bxs.....lb. .18 - .19
St. Ignatius beans, bgs.....lb. No stocks
St. John's bread, edible, bls...lb. .14½- .16
Starch, corn, pearl, bgs..100 lbs. 4.08 - —
Chicago .....100 lbs. 3.72 - —
powd., bgs.....100 lbs. 4.19 - —
Chicago .....100 lbs. 3.83 - —
Potato, bgs., c.l.....lb. .0637- —
l.c.l. .....lb. .0712- —
Rice, bgs., c.l.....lb. No stocks
Sweetpotato, bgs.....lb. .09 - .09¼
Wheat, thick boil, bgs.....lb. .05 - —
Starch iodide, bots.....lb. 1.87 - —
Stearin, oleo (see Oleostearin).
Stillingia root, bls.....lb. No stocks
Stoneroot, bls.....lb. .07½- .08
Storax, cs.....lb. 1.25 - 1.50

Stramonium leaves, bgs.....lb. .21 - .22
Seed, bgs.....lb. .20 - .21
Strontium bromide, cns., dms..lb. .53 - .55
Carbonate, 90%, bbls.....lb. .14 - .16
98%, bbls.....lb. .23 - .25
Chloride, tech., bbls.....lb. .22 - .24
Chromate, bbls., kgs., Phila..lb. .35 - .37
Iodide, bots.....lb. 3.06 - 3.15
jars, 25 lbs.....lb. 3.00 - —
Lactate, dms.....lb. 1.30 - 1.35
Nitrate, bbls., c.l., works....lb. .07¾- —
l.c.l., works.....lb. .08¼- .09¾
Oxalate, bbls., works.....lb. .38 - .40
Salicylate, NF, dms.....lb. 1.10 - 1.15
Sulphate, nat., 92% min., air-floated, 300 mesh, bbls., c.l., works..ton.52.00 - —
l.c.l., works.....ton.54.00 - —
Strontium-calcium sulphide, phosphorescent, dms., works..lb. 2.50 - 2.65
Strophanthin, bots.....oz.30.00 -50.00
Strophanthus seed, Komba, bgs., lb. 2.65 - 2.70
Styrolyl acetate, bots.....lb. 2.50 - 3.10
Styrchnine, NF, cryst., cns., 100 ozs..oz. .70 - —
powd., cns., 100 ozs.....oz. .60 - —
Acetate, cns., 100 ozs.....oz. .88 - —
Arsenate, cns., 100 ozs.....oz. .91 - —
Arsenfilte, cns., 100 ozs.....oz. .86 - —
Glycerophosphate, cns., 100 ozs., oz. .89 - —
Hydrochloride, cns., 100 ozs.oz. .88 - —
Hypophosphite, 25-oz. cns., 100 ozs..oz. 1.00 - —
Nitrate, NF, 100 ozs.....oz. .82 - —
Phosphate, NF, 100 ozs.....oz. .89 - —
Sulphate, cryst., cns., 100 ozs., oz. .88 - —
powd., cns., 100 ozs.....oz. .48 - —
Sucrose octa-acetate, denat., bbls., l.c.l., works..lb. .45 - —
tech., bbls., l.c.l., works..lb. .40 - —
Sugar coloring (see Caramel coloring).
Sugar of milk (see Milk sugar).

Sulphadiazin, USP, 100-lb. dms., lb. 9.00 - —
Sulphamerazin, dms.....lb. 9.00 - —
Sulphaguanidin, 100-lb. dms...lb. 4.50 - —
Sulphanilamide, bots.....lb. 1.50 - —
fib. dms.....lb. 1.05 - 1.25
Sulphapyridin, powd., bots., tins, lb. 5.00 - 5.50
Sulphathiazole, dms., 1,000-lb. lots..lb. 2.50 - —
500-lb. lots.....lb. 2.60 - —
smaller lots.....lb. 2.65 - 2.80
Sulphonethylmethane, kgs.....lb. 6.75 - 6.85
Sulphonmethane, kgs.....lb. 5.25 - 5.35
Sulphur, crude, c.l., bulk, mines, contracts..long ton.16.00 - —
f.o.b. vessels, Gulf ports, contract..long ton.17.50 - —
flour, comm'l, 99½%, bgs., c.l., works..100 lbs. 1.65 - —
l.c.l., works.....100 lbs. 2.00 - 2.15
precipitated, USP, bbls., kgs., lb. .18 - .30
refined, flour, extra fine, bgs., c.l., works..100 lbs. 2.90 - —
l.c.l., works.....100 lbs. 3.25 - 3.40
heavy bgs., c.l., works.....100 lbs. 2.60 - —
l.c.l., works.....100 lbs. 2.95 - 3.10
light, bgs., c.l., works.....100 lbs. 2.70 - —
l.c.l., works.....100 lbs. 3.05 - 3.20
Refined sulphur in bbls., 25c. higher.
flowers, USP, bgs., c.l., works..100 lbs. 3.05 - —
l.c.l., works.....100 lbs. 3.40 - 3.55
rock, bbls., c.l., works.100 lbs. 2.20 - —
l.c.l., works.....100 lbs. 2.55 - 2.70
roll, bbls., c.l., works..100 lbs. 2.40 - —
l.c.l., works.....100 lbs. 2.75 - 2.90
Chloride, 55-gal. dms., c.l., works..lb. .03 - .03½
l.c.l. works.....lb. .04 - .04½
10-gal cms., c.l., works...lb. .07 - .07½
l.c.l. .....lb. .08 - .08½

Sulphur dioxide, liquid, com'l, cyls., works..lb. .07 - .09
multi-unit cars, works..lb. .04½- .06
tanks, works.....lb. .04 - —
refrigerator, cyls., works, lb. .16 - .21
Iodide, bots., jars.....lb. 3.90 - 4.11
Sumac extract, No. 1, bbls....lb. .06 - —
No. 2, bbls.....lb. .07 - —
stainless, bbls.....lb. .09 - .11
Superphosphate,[1] pulverized, run-of-pile, under 22% a.p.a., bulk, production points, Balto..unit-ton. .65 - —
Florida .....unit-ton. .51 - .54
others .....unit-ton. .67 - .84
Delivery points, Ariz., Calif., Colo., Ida., Kans., Nev., N. M., Ore., Utah, Wash., 88½c. per unit-ton plus frt. charge from Anaconda, Mont., in excess of $8.06 per ton.
Superphosphate,[1] gran., 2c. per unit-ton higher than pulverized; guaranteed 19%, 19% or 20% a.p.a., ½c. per unit-ton higher.
triple, 40% or more a.p.a., bulk, producing points, Florida, unit-ton. .63 - —
South Carolina..unit-ton. .60 - —
Tennessee .....unit-ton. .75 - —
Other States and D.C., 62c. per unit-ton plus frt. charge for 49% from E. Tampa, Fla.
Sweet basil, bls., r.o.b. Calif..lb. .98 - .99

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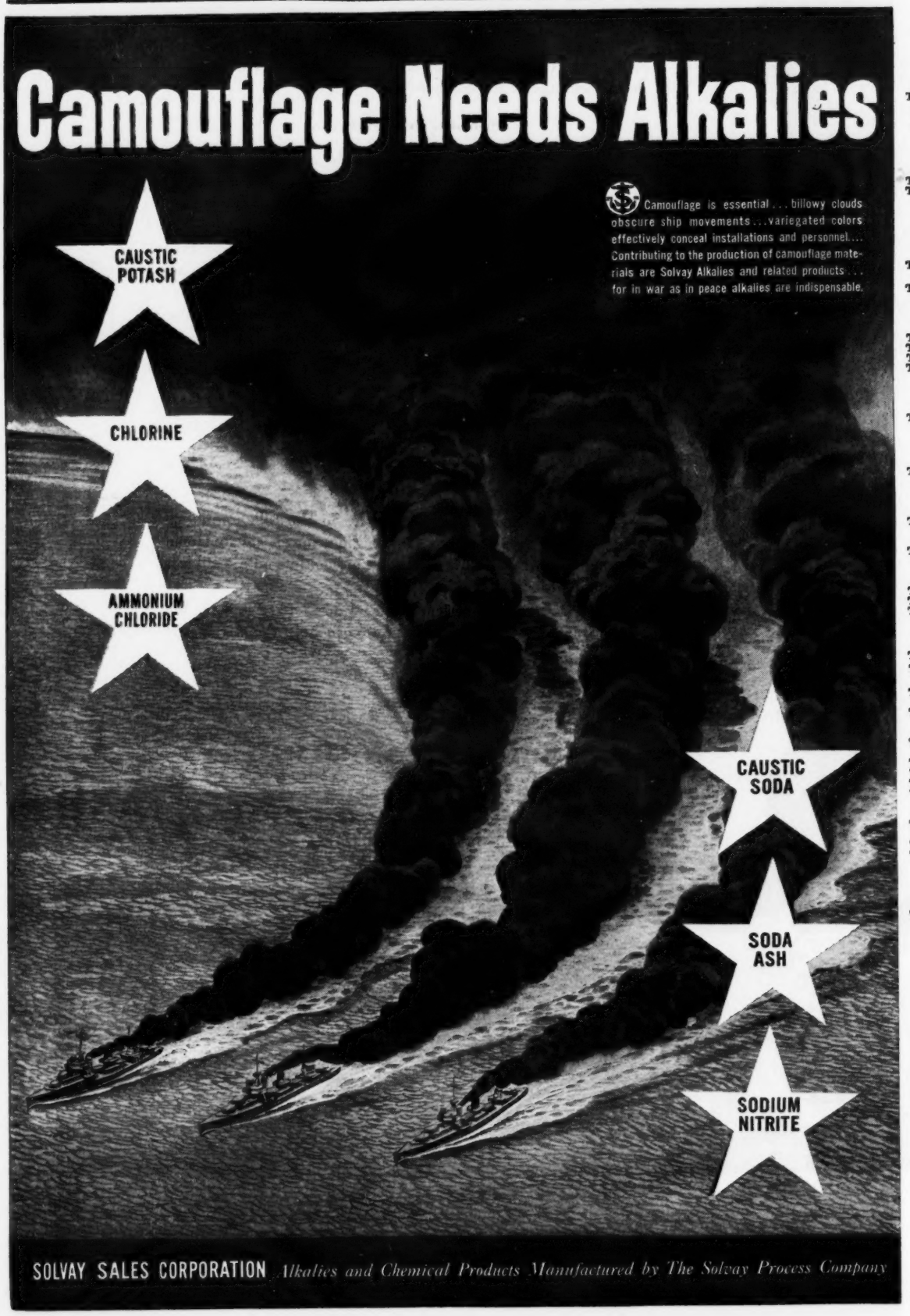
Talc, dom., aluminum-flake type, grd., bgs., c.l., works..ton.14.50 -24.50
l.c.l., works .....ton.16.50 -30.00
Calif., bgs., c.l., wks..ton.17.50 -43.00
fibrous, grd., coarse, off-color, New York, bgs., c.l., works..ton.13.00 - —
fine, New York, 325 mesh, 93-94% bgs., c.l., works, ton.13.00 -18.00
98 - 99.5%, bgs., c.l., works..ton.15.25 -19.25
99.85-99.95%, bgs., c.l., works..ton.17.00 -21.00
Pennsylvania, bgs., c.l., works..ton.11.00 -13.50
l.c.l., works.....ton.12.00 -14.50
Vermont, bgs., c.l., works, ton.14.00 - —
l.c.l., works.....ton.15.00 - —
imp. Canada, bgs., c.l....ton.24.00 -30.00
Tallow,[1,5] edible, tanks.....lb. .09¾- —
inedible, extra, loose.....lb. .08¾- —
special, loose .....lb. .08½- —
sulphonated, 35% (24% fat). dms., c.l..lb. .05¾- —
50% (43% fat), dms., c.l....lb. .06¾- .07
50% (48% fat), dms., c.l....lb. .07¾- .07⅛
Tallow, sulphonated, l.c.l., ½c. higher.
Tamarind, bbls. .....lb. .13 - .14
Tankage,[1] animal, feed, 9-11% ammon., bulk..unit-ton. 5.53 - —
Chicago .....unit-ton. 5.53 - —
fert. grd., 9% ammon., 10% b.p.l., bulk..unit-ton. 4.00 & .10
10-11% ammon., 15% b.p.l., bulk, Chicago..unit-ton. 4.00 & .10
Tapioca flour,[1,5] Brazil, bgs..lb. .06½- .07⅛
Java, bgs. .....lb No stocks.
Tar acid oil,[5,6] 15-18%, dms., c.l., works..gal. .26½- .27½
l.c.l., works .....gal. .28½- .29¾
25%, dms., c.l., works....gal. .30 - —
l.c.l., works .....gal. .32 - —
Tar, pine (see Pinetar).
Tara, powd., dlvd. N. Y.....ton.120.00 - —
Tarragon herb, bgs..... ...lb. 1.40 - 1.50
Tartar emetic, tech., gran. or powd., bbls., kgs..lb. .47¾- .48
dms. .....lb. .48½- .51
USP, powd., bbls., dms., kgs., lb. .52¾- .56
Terpin hydrate, com'l, bbls., c.l., lb. .75 - .80
l.c.l. .....lb. .25 - .25⅛
USP, cryst., bbls., dms....lb. .70 - .75
powd., bbls., dms.....lb. .75 - .80
Terpineol, alpha (see A), com'l, dms., c.l., South.....lb. .13½- —
l.c.l., South .....lb. .14 - —
tanks, South.....lb. .13 - —
pure, dms.....lb. .34 - .50
Terpinyl acetate, extra, cns., dms..lb. .90 - 1.15
prime, cns., dms.....lb. .75 - 1.05
Terpinglycol ether, dms. (extra), c.l., works..lb. .19½- —
l.c.l., works .....lb. .20 - —
tanks, works .....lb. .19 - —
Terra alba (see Gypsum)
Tetrachloroethane, dms., wks.lb. .08 - .08⅛
Tetrachloroethylene, NF VI, 55-gal. dms., works..lb. .20 - .21¼
smaller dms., works.....lb. .23½- .25⅛
tech. (see Perchloroethylene).
Tetrallin, dms. .....lb. .19 - —
Tetrasodium pyrophosphate (see Soda pyrophosphate).
Thallium sulphate, 90%, bots., works..lb.12.50 - —
Theobromine,[1,5] makers, primary distrib., dms., 25-lb. lots.lb. 2.80 - —
smaller lots .....lb. 2.90 - 3.00
Thiamine hydrochloride, bots., dms., 100 grams..kilo.160.00 - —
Thiocarbanilide, dms. .....lb. .24 - —
Thiourea, CP, dms.....lb. .55 - .56
Thorium nitrate, cs., works..lb. 2.00 - —
Thyme,[1] California, French type, lbs., f.o.b. Pacific Coast..lb. .82 - .84
Spanish, bls.....lb. .16¾- .17¼
Thymol, cns. .....lb. 2.40 - 2.75
Iodide, dms. .....lb. 3.40 - 3.80
Timbo root,[2,5] (see Cube root).
Tin chloride,[6] anhydrous.....lb. No stocks.
Crystals,[6] bbls., bgs.....lb. No stocks.
Metal,[1,6] Straits .....lb. .52 - —
Oxide,[6] bbls. .....lb. .54 - .55
Tetrachloride,[6] anhyd., dms., works..lb. .31 - .33
Titanium dioxide,[1,5] chalk resistant, bgs., c.l., dlvd..lb. .15 - —
l.c.l., 5 tons one deliv., dlvd..lb. .15½- —
smaller lots, dlvd.....lb. .15½- .15¾
nonchalking,[1,5] bgs., c.l., dlvd. E..lb. .16½- —
l.c.l., 5 tons one deliv., dlvd..lb. .16¾- —
smaller lots, dlvd..lb. .17 - .17¼
plain,[5] bgs., c.l., dlvd.....lb. .14½- —
l.c.l., 5 tons one delivery, dlvd..lb. .14¾- —
smaller lots, dlvd....lb. .15 - .15¼
Hydride, cns., works.....lb. 7.00 - 8.00
Pigment, barium base,[1,5] bgs., c.l., dlvd..lb. .05¾- —
l.c.l., dlvd. .....lb. .06 - —
calcium base,[1,5] bgs., c.l., dlvd..lb. .05½- —
l.c.l., dlvd. .....lb. .05¾- —
calcium-rutile base,[1,5] bgs., c.l., dlvd..lb. .05½- —
l.c.l., dlvd. .....lb. .05¾- —
magnesium base,[1,5] bgs., c.l., dlvd..lb. .05¾- —
l.c.l., dlvd.....lb. .06 - —
Titanium dioxide and pigment in bbls., ¼c. higher; Pac. cst. ¼c. higher, c.l., dlvd., l.c.l., ex whse.
Tetrachloride, CP, 55-gal. dms., works..lb. .57 - —
smaller pkgs., works...lb. .65 - 1.22
technical, 55-gal. dms., works, lb. .32 - —
smaller pkgs., works...lb. .40 - 1.00
Tolu balsam, cns.....lb. .78 - .82
Tolidin base, distilled, kgs....lb. .96 - —
Toluene (see Toluol).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Camouflage is essential . . . billowy clouds obscure ship movements . . . variegated colors effectively conceal installations and personnel. . . . Contributing to the production of camouflage materials are Solvay Alkalies and related products . . . for in war as in peace alkalies are indispensable.
CAUSTIC POTASH
CHLORINE
AMMONIUM CHLORIDE
CAUSTIC SODA
SODA ASH
SODIUM NITRITE
SOLVAY SALES CORPORATION Alkalies and Chemical Products Manufactured by The Solvay Process Company

Toluol[5] (toluene), 2° indus., dms., returns, works..gal. .33 - —
tanks, E. of Omaha, frt. alld. to 2c. per gal..gal. .28 - —
West Minnequa, Colo.gal. .28 - —
1° nitration, ret. dms., works, gal. .34½- —
tanks, E. of Omaha, frt. alld. to 2c. per gal..gal. .29½- —
West Minnequa, Colo.gal. .29½- —
Tonga,50% bark and vine, bbls.lb. .90 - .91
Tonka beans, Angostura, cks..lb. 1.50 - 1.90
Brazilian, Surinam, cs....lb. .80 - .85
Totaquine,[1,6] USP XII, 100 ozs. oz. .52 - —
Triacetin, dms., works.....lb. .27 - .32
Triamylamine, dms., c.l., works. lb. .96 - —
l.c.l. .....lb. 1.01 - —
Tributyl citrate, 475-lb. dms..lb. .29 - .31
smaller pkgs.....lb. .34 - .40
Phosphate, dms., l.c.l., divd..lb. .49 - —
cns., works.....lb. .53 - .55
Tributylamine, dms., c.l., works. lb. .78 - —
l.c.l. .....lb. .81 - —
Trichlorobenzene, dms., c.l., frt. alld..lb. .06 - —
l.c.l., same basis.....lb. .06½- —
tanks .....lb. .07½- —
Trichloroethane, dms., c.l.....lb. .16 - —
l.c.l. .....lb. .17 - —
Trichloroethylene,[6] d m s., c.l., works, Zone 1, frt. alld...lb. .08 - —
Zone 2, same basis.....lb. .08½- —
Zone 3, same basis.....lb. .09 - —
Zone 4, ex whse.....lb. .09 - —
Trichloroethylene, l.c.l. prices, ½c. higher. Zones are—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis., Omaha, K. C., Kan.; (2) Ala., Ark., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont. (E), N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.
Tricresyl phosphate,[6] CP, cns., works..lb. .43½- .54½
dms., c.l., divd.....lb. .37½- —
l.c.l., divd.....lb. .40½- —
tech., cns., works.....lb. .23½- .45½
dms., c.l., divd.....lb. .25 - .31
l.c.l., divd.....lb. .25½- .31½
tanks, divd.....lb. .24 - .30
Triethanolamine,[6] d m s., c.l., frt. alld. in E..lb. .19½- —
l.c.l., same basis.....lb. .20½- —
tanks, same basis.....lb. .18½- —
Triethyl phosphate, cns.....lb. .40 - —
Triethylamine, dms., works....lb. 1.16 - —
Triethyleneglycol,[6] dms., c.l., frt. alld. in E..lb. .18½- —
l.c.l., same basis.....lb. .19½- —
tanks, same basis.....lb. .17½- —
Trimethylamine, dms., c.l., divd. lb. .85 - —
l.c.l., divd.....lb. .90 - —
Trimethylolpropane, bbls.....lb. .65 - —
Triphenyl phosphate,[3] bbls.....lb. .31 - .32
Tripoli, air-floated, bgs., c.l., works..ton.21.50 - —
double grd., bgs., c.l., works.. ton.17.50 - —
once-grd., bgs., c.l., works..ton.16.00 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tuba root,[3,4] (see Derris root).
Tungsten metal, powd.,[3] 99-99.7%, dms., works..lb. 2.60 - 5.40
Oxide, kgs.....lb. No prices
Turmeric root, Alleppey.....lb. .12 - .12½
Haitian, New Orleans, bls...lb. .09 - .09½
Madras, bgs.....lb. .12 Nom.
Turpentine, gum, ret. dms...gal. .89 - .90
sulphate-wood, ret. dms., c.l., gal. .65½- .76
tanks .....gal. .57½- .62½
wood, d.d., dms., East.....gal. .65 - .70
tanks .....gal. .60 - —
steam-dist.,[1] ret. dms.....gal. .80 - .83
tanks .....gal. .74 - .75

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium,[6] oxide, black, bgs....lb. 2.55 - —
yellow, kgs.....lb. 1.65 - —
Urea, dom., 46% N., bgs., c.l., works or ship. pts..ton.75.00 - —
l.c.l., ship. pts.....ton.77.50 -85.00
import, pure, cs.....lb. .12 - —
Fertilizer comp., 42% N., bulk, c.l., works or A. or G. ports, ton.57.40 - —
Urea-ammonia liquor (A and B), free ammonia content, f.o.b. Belle, W. Va., freight equalized with Hopewell, Va..ton.50.00 - —
fixed ammonia content, f.o.b. Belle, W. Va., freight equalized with Hopewell, Va., NH_3..ton.112.80 - —
usual Atla. and Gulf ports, NH_3..ton.116.80 - —
C and D prices are $1.20 per ton of nitrogen higher than the A and B respectively for the same destinations.
Uva ursi leaves, bls.....lb. .19 - .20

V

Valerian root, NF, bls.....lb. .55 - .60
Valonia, beards, bgs., f.a.s...ton. No prices
Cups, bgs., f.a.s.....ton. No prices
Vanadium pentoxide, CP, bgs., cns., works..lb. 7.00 - —
tech., dms., works.....lb. 1.10 - —
Vanilla beans,[1] Bourbon, tins.lb. 7.75 - 8.50
Mexican, cuts, tins.....lb. 9.50 -10.00
whole, tins.....lb.10.50 -11.00
Tahiti, white label, tins...lb. 3.50 - 3.75
yellow label, tins.....lb. 3.25 - 3.50
West Indian, tins.....lb. No stocks
Vanillin,[1] makers, primary distrib., tins, ex eugenol, 25 lbs. or more..lb. 2.60 - —
smaller lots.....lb. 2.65 - 2.75
ex guaiacol or lignin tins, 25 lbs. or more..lb. 2.35 - —
lignin tins, 25 lbs. or more, lb. 2.35 - —
Venice turpentine, artif., cns..lb. .24 - .25
Verdigris, bbls., bgs.....lb. .22 - .28
Vinyl acetate,[6] cbys., works...lb. .25 - —
dms., c.l., works.....lb. .15 - —
l.c.l., works.....lb. .16 - —
smaller pkgs., works...lb. .25 - —
Ether, 75 c.c., less 20% and 20%..bot. 1.50 - —
50 c.c., same basis....bot. 1.05 - —
25 c.c., same basis....bot. .65 - —
Trichloride (see Trichloroethane).
Vinylpyridin, ret. dms., works.lb. 1.50 - —
Viosterol (irradiated ergosterol), mil. units. .10 - .14
Vitamin A (see Oils, codliver, halibut-liver).
B_1 (see Thiamine hydrochloride).
Vitamin B_2 (see Riboflavin).
B complex, natural (see Rice bran and Yeast).
C (see Acid, ascorbic).
D (see Oils, codliver, halibut-liver, viosterol)
E (see Alpha tocopherol).
G (see Riboflavin).
P-F (see Acid, nicotinic, and Nicotinamide)
Violet, methyl, toner (see M).
V.M.P. naphtha (see Petroleum, naphtha, v.m.p.).

W

Wahoo, root bark, bls.....lb. .55 - .60
ton.53.00 - —
Wattle bark,[1] E. African, bgs., f.a.s..ton.53.00 - —
So. Afr., bgs., f.a.s.....ton.53.00 - —
extract,[1] liquid, 35% tannin, bbls., works..lb. .05¼- .06¼
tanks .....lb. .04¾- .05¼
solid, So. Afr., 62% tannin, ex dock..lb. .0672- .0697
E. Afr., 61% tannin, ex dock. lb. .05595- .05845
Wax, Bayberry, bgs.....lb. No stocks
Bees,[1] bleached, USP, white, bricks, bgs., ton..lb. .58 - —
discs or cakes, bgs., ton, lb. .60 - —
ctns., ton.....lb. .61 - .63
slabs, bgs., ton.....lb. .57 - —
yellow, crude, African, bgs., ton..lb. .40 - —
up to 1 ton.....lb. .41 - —
100-200 lbs.....lb. .43 - —
Cent. or So. Amer., sun-bleachable, bgs., ton..lb. .44¾ Nom.
unbleachable, bgs., ton, lb. .41½ Nom.
ref'd, USP, bricks, bgs., ton, lb. .53½- —
dics., bgs., tons.....lb. .55½- —
ctns., ton.....lb. .56½- .58½
rounds or squares, bgs., ton..lb. .57½ —
ctns., ton.....lb. .58½- .60½
slabs, bgs., ton.....lb. .52½- —
Wax, candelilla,[1] crude, bgs., ton..lb. .35 - .36
smaller lots.....lb. .35½- .44½
Candelilla, powdered, 20 mesh, 5c. per lb. extra; 80 mesh, 5½c.; 100-200 mesh, 6c.
refined, bgs., ton.....lb. .44 - —
smaller lots.....lb. .45 - .54
Carnauba,[1] chalky, No. 3, bgs., ton lots..lb. .71¼- —
smaller lots.....lb. .72½- .81¼
North Country, No. 2, bgs., ton lots..lb. .75¾- —
smaller lots.....lb. .76¾- .85¾
No. 3, bgs., ton.....lb. .78½- —
smaller lots.....lb. .74½- .83½
refined, bgs., ton.....lb. .76¾- .80
smaller lots.....lb. .77¾- .90
yellow, No. 1, bgs., ton....lb. .83½- —
smaller lots.....lb. .84¼- .93¼
No. 2, bgs., ton.....lb. .81½- —
smaller lots.....lb. .82¼- .91¼
No. 3 bgs., ton.....lb. .79 - —
smaller lots.....lb. .80 - .89
carnauba wax, powdered (same differentials as candelilla).
Ceresin, dom., 138°-140° m.p., bgs., ton..lb. .13½- .14
jobbing lots.....lb. .14½- .15
150°-160° m.p., bgs., 1 ton, lb. .15½- .16
jobbing lots.....lb. .16½- .17
160°-170° m.p., bgs., 1 ton.. lb. .16½- .17
jobbing lots.....lb. .17½- .18
Japan, cs.....lb. No stocks
Micro-crystalline, 170°-175° m.p., A.S.T.M., amber, ctns., 30 tons yearly, contract, group 3, works..lb. .14½- —
smaller lots.....lb. .14½- .15¼
Wax, micro-crystalline, black, ctns., 30 tons, same basis, lb. .12¾- —
smaller lots.....lb. .13 - .13¾
190°-195° m.p., A.S.T.M., amber, ctns., 30 tons, same basis..lb. .16½- —
smaller lots.....lb. .16½- .17½
black, ctns., 30 tons, same basis..lb. .14¾- —
smaller lots.....lb. .15 - .15¾
white, ctns., 30 tons, same basis..lb. .28¾- —
Montan, domestic, bgs.....lb. .30 - —
Ouricury,[1] bgs., ton.....lb. .49½- .51¾
smaller lots.....lb. .50½- .61¾
refined, bgs., ton.....lb. .62 - —
smaller lots.....lb. .63 - .72
powdered ouricury prices same as candelilla.
Paraffin (see under P).
Spermaceti, blocks, cs.....lb. .26 - .27
cakes, cs.....lb. .27 - .28
White lead (see Lead, white).
White pine bark, rossed, bls..lb. .15 - .16
White precipitate,[3] powd., dms., 50 lbs. or more..lb. 2.60 - —
Whiting, chalk, dry-grd., bgs., c.l..ton.18.00 -22.00
l.c.l. .....ton.20.00 -24.00
wet-ground, bgs., c.l.....ton.21.00 -25.00
l.c.l. .....ton.25.00 -29.00
gilders, bolted, bgs., c.l.ton.20.00 -24.00
l.c.l. .....ton.21.00 -25.00
extra-bolted, bgs., c.l..ton.22.00 -26.00
l.c.l. .....ton.23.00 -27.00
Paris white, bgs., c.l.....ton.24.00 -28.00
l.c.l. .....ton.25.00 -29.00
Limestone, dry-grd., 325 mesh, bgs., 40 tons, N. E., works. ton. 6.00 - —
smaller lots, N.E., wks. ton. 7.00 - 9.00

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Whiting, limestone, wet-grd., air-floated, 300 mesh., 98¾%, bgs.,, c.l.	ton.	9.35	-10.10
200 mesh, bgs., c.l.	ton.	8.60	- 9.50
90%, bgs., c.l.	ton.	6.25	- 7.00
water-floated, extra gilders, bgs., c.l.	ton.	13.00	- —
gilders, bgs., c.l.	ton.	12.45	- —
putty grade, bgs., c.l.	ton.	12.00	- —
Precipitated, bgs., c.l.	ton.	14.00	-15.00
l.c.l.	ton.	18.00	-20.00
Wild cherry bark, thick, bls.	lb.	.06	- .07
tin, natural, bgs.	lb.	.17	- .18
rossed, green, bls.	lb.	.26	- .28
Wild indigo root, bls.	lb.	.17	- .18
Witch-hazel extract, dist., NF, bbls.	gal.	.70	- .75
Leaves, bls.	lb.	.14	- .16

Witherite (see Barium carbonate, natural).

Woodflour, 40 mesh, bulk, c.l., N. Tonawanda, N. Y.	ton.	20.00	- —
80 mesh, same basis	ton.	24.00	- —
80 mesh, same basis	ton.	27.00	- —
100 mesh, same basis	ton.	30.00	-32.00
Woodflour, in bags, 25c. each extra, returnable.			
Wormseed, American, bgs.	lb.	.20	- .22
Levant	lb.	4.50	- 4.75
Wormwood, bls.	lb.	.30	- .50

X

Xanthorrhiza, bls.	lb.	.24	- .25

Xylene (see Xylol).

Xylol,[4] (xylene), indus., ret., dms., works.	gal.	.32	- —
tanks, E. of Omaha, frt. alld. to 2c. per gal.	gal.	.27	- —
West, Minnequa, Col.	gal.	.27	- —
10°, ret., dms., works.	gal.	.35	- —
tanks, E. of Omaha, frt. alld. to 2c. per gal.	gal.	.30	- —
Xylol, 5° ret., dms., works.	gal.	.42	- —
tanks, E. of Omaha, frt. alld. to 2c. per gal.	gal.	.37	- —
3°, ret., dms., works.	gal.	.47	- —
tanks, E. of Omaha, frt. alld. to 2c. per gal.	gal.	.42	- —
Xylol petroleum solvent, ret. dms., No. N. J.	gal.	.26	- —
Xylidin, mixed, dms.	lb.	.85	- .86

Y

Yara yara, cryst., bots., cns.	lb.	1.90	- 2.00
Yeast, brewer's, dry, 50 B units, dms.	lb.	.35	- —
90 B units, dms.	lb.	.45	- —
200 B units, dms.	lb.	.50	- —
300 B units, dms.	lb.	.60	- —
Yellow, barium chromate, CP, bgs., l.c.l., divd. N. of Tenn. and N. C. E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul.	lb.	.22	- —

Barium chromate price differentials on deliveries in the various other State and city zones are the same as those for chrome yellow, which are set forth below.

Benzidin, bbls., divd.	lb.	1.35	- 2.25
Cadmium, CP, import, bxs.	lb.	1.35	- 1.40
Chrome, CP, bbls., divd. N. of Tenn. and N. C., E. of Miss. R., includ. Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts.	lb.	.16	- —

Chrome yellow prices are ½c. higher, divd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas), 1¼c.; Ft. Worth, 1½c.; El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher divd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Yellow, Dutch, pink, bbls.	lb.	.09	- .11
Hansa, bbls., same basis as chrome.	lb.	1.37	- —
primrose, bbls., same basis	lb.	1.75	- —
Lithopone, bbls., ton lots, E. of Rockies.	lb.	.55	- —
smaller lots, same basis.	lb.	.65	- —
sulphide, orange, cs., kgs., works.	lb.	1.10	Nom.
Mercury oxide, bbls., 1,000 lbs., lb.	lb.	2.56	- —
smaller lots.	lb.	2.58	- —
Ocher, American, golden, bbls., worth.	lb.	.04½-	.06¼
yellow, bbls., works.	lb.	.02 -	.02¾
French type, bbls., c.l.	lb.	.0345-	—
l.c.l.	lb.	.0365-	—
Oxide, iron, nat., bbls., c.l., f.o.b. Bethlehem, Easton, Pa.	lb.	.04½-	—
l.c.l., same basis.	lb.	.05 -	—
synth, bbls., c.l., works.	lb.	.0685-	—
l.c.l., works.	lb.	.071 -	—
Persian orange (see O).			
Zinc,[6] bbls., same basis as chrome.	lb.	.15 -	—
Navy spec. type, bbls., contracts.	lb.	.15 -	—
Yellow dock root, bls.	lb.	.35 -	.36
Yellow xanthorrhiza (see Xanthorrhiza).			
Yerba santa leaves, bls.	lb.	.21 -	.25
Yohimbine hydrochloride, vis.	oz.	3.00 -	5.75

Z

Zein, bgs., 1,000 lbs., works.	lb.	.25 -	—
smaller lots, works.	lb.	.30 -	—
Zinc acetate, tech., bbls., divd.	lb.	.16 -	.17
USP, bbls., 250 lbs.	lb.	.26 -	.27
kgs., 100 lbs.	lb.	.20 -	—
Arsenite,[1] bgs., c.l., frt. alld. E. of Rockies.	lb.	.11¾-	.13½
l.c.l., same basis.	lb.	.12½-	.13¾
Zinc borate, bgs., c.l.	lb.	.12 -	—
Carbonate, tech., rubber makers' grade, bbls., works.	lb.	.09¾-	.10¾
USP, precip., powd., bbls.	lb.	.35 -	—
dms.	lb.	.40 -	—
kgs.	lb.	.37 -	—
Chloride, tech., fused, dms., c.l., works.	100 lbs.	5.00 -	—
l.c.l., works.	100 lbs.	5.35 -	—
gran., dms., c.l., works.	100 lbs.	5.75 -	—
l.c.l., works.	100 lbs.	6.50 -	—
USP, dms.	lb.	.30 -	.31
jars	lb.	.35 -	.36
solution, 50%, dms., c.l., works	lb.	.0315-	—
l.c.l., works.	lb.	.04¼-	.04½
tanks, works.	lb.	.0250-	—
Chromate (see Yellow, Zinc).			
Cyanide, kgs., works.	lb.	.33 -	.37
Dust,[6] bbls., c.l., divd.	lb.	.1035-	—
l.c.l., works.	lb.	.1135-	—
Fluoride, bbls.	lb.	.25 -	.30
Hydrosulphite, dms., works.	lb.	.16 -	—
Iodide, NF, bots.	lb.	4.68 -	4.75
jars	lb.	4.40 -	—
report).			
Laurate, bbls.	lb.	.32 -	.33
Metal,[1,5,5] (quotations in Protective Coatings market			
Naphthenate, 8%-10% Zn, 50-gal. dms.	lb.	.16 -	.19½
Oxide, pigment, dom., acicular,[6] bgs., c.l., divd.	lb.	.07½-	—
l.c.l., divd.	lb.	.07½-	—
American process, com'l lead free,[6] bgs., c.l., divd.	lb.	.07½-	—
l.c.l., divd.	lb.	.07½-	—
leaded, 5%, bgs., c.l., divd.	lb.	.07½-	—
l.c.l., divd.	lb.	.07½-	—
35% or more, bgs., c.l., divd.	lb.	.07 -	—
l.c.l., divd.	lb.	.07½-	—
French process, com'l, lead free,[6] bgs., c.l., divd.	lb.	.07½-	—
l.c.l., divd.	lb.	.07½-	—
green seal, bgs., c.l., divd.,	lb.	.09 -	—
l.c.l., divd.	lb.	.09½-	—
red seal, bgs., c.l., divd.	lb.	.08½-	—
l.c.l., divd.	lb.	.08¾-	—
white seal, bgs., c.l., divd.	lb.	.09½-	—
l.c.l., divd.	lb.	.09¾-	—
USP,[6] 50-lb. ctns., c.l.	lb.	.10½-	—
l.c.l.	lb.	.10¾-	—

Zinc oxide Pac. Coast prices ½c. higher. Bbl. prices ½c. higher than bgs.

Resinate,[6] 8.7% Zn, 100-lb. dms.,	lb.	.14½-	—
fused, pale, bbls.	lb.	.11 -	.13
precipitated, dms., divd.	lb.	.15 -	—
Silicofluoride, bbls.	lb.	.15 -	.16
Stearate, tech., ctns., c.l., frt. equald.	lb.	.29 -	—
ton lots, frt. equald.	lb.	.30 -	—
smaller lots, frt. equald.	lb.	.31 -	—

USP (same prices as tech.).

Sulphate, cryst., bgs., c.l., wks., frt. alld.	100 lbs.	3.40 -	—
l.c.l.	100 lbs.	4.15 -	—
flake, bgs., c.l.	100 lbs.	3.80 -	—
l.c.l.	100 lbs.	4.55 -	—
powd., bgs., c.l.	100 lbs.	5.35 -	—
l.c.l.	100 lbs.	6.10 -	—

Zinc sulphate, in bbls., 25c. higher.

Sulphide,[1,6] pure, bgs., c.l., divd.	lb.	.08¼-	—
l.c.l., divd.	lb.	.08½-	—
bbls., c.l., divd.	lb.	.08¾-	—
bbls., l.c.l., divd.	lb.	.08¾-	—
barium pigment, bgs., c.l., divd.	lb.	.0560-	—
l.c.l., divd.	lb.	.0585-	—
calcium pigment, bgs., c.l., divd.	lb.	.0560-	—
l.c.l., divd.	lb.	.0585-	—
fluorescent, pigment, works, frt. alld.	lb.	.90 -	1.00
magnesium pigments, bgs., c.l., divd.	lb.	.05¾-	—
l.c.l., divd.	lb.	.06 -	—

Zinc sulphide Pac. coast prices ¼c. higher. Bbl. prices ¼c. higher than bgs.

Sulphocarbolate, NF, bbls., dms.	lb.	.28 -	.31
Tallate, 5% Zn, 50-gal. dms.	lb.	.09¾-	—

Yellow (see Yellow, zinc).

Zinc-ammonia chloride, dms., cl., works.	100 lbs.	5.65 -	—
l.c.l., works.	100 lbs.	6.70 -	—
Zinc-cadmium sulphide, fluorescent, works, frt. alld.	lb.	2.30 -	2.85
Zinc-iron oxide pigment, bgs., c.l., divd.	lb.	.06 -	—
l.c.l., divd. E. of Rockies.	lb.	.06½-	—
divd. Pac. cst.	lb.	.06½-	—
ex whse., Pac. cst.	lb.	.07 -	—
Zirconium hydride, cns., works.	lb.	7.00 -	8.00
Nitrate, kgs., works.	lb.	3.00 -	4.00
Oxide, crude, 70-75%, grd., bbls., works.	ton.	75.00	-100.00
ex whse., Pac. cst.	lb.	.07 -	—
white, 99%, grd., kgs., works,	lb.	1.80 -	2.00

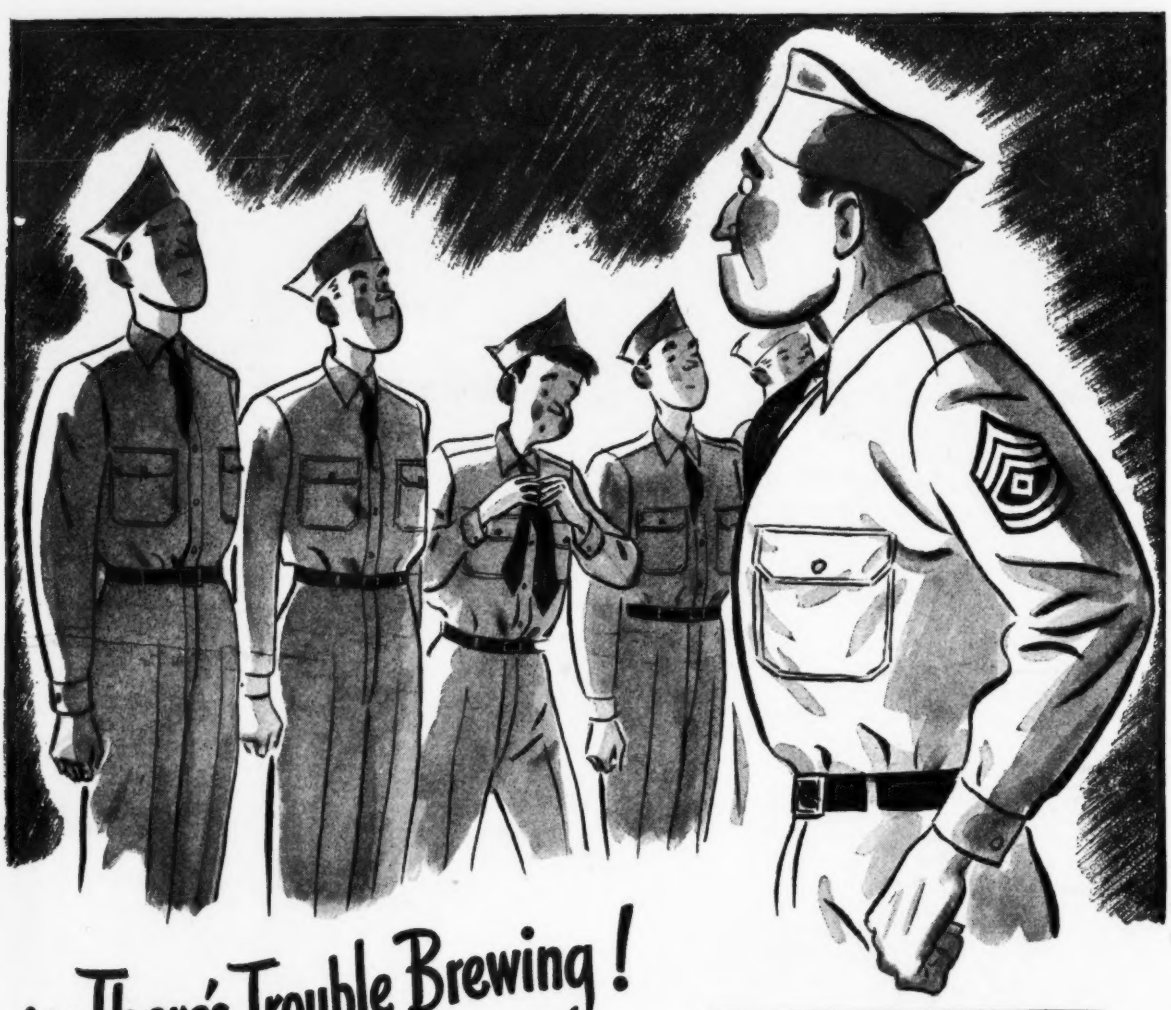
Synthetic Resins and other Branded Paint Materials (Manufacturers' List Prices)

A

Abalyn (see methyl abietate in Current Market Quotations)			
Arocloro, distilled, dms., c.l., works.	lb.	.18 -	—
ton lots, works.	lb.	.18½-	—
single dms., works.	lb.	.19 -	—
undistilled, dms., c.l., works.	lb.	.15½-	—
ton lots, works.	lb.	.16 -	—
single dms., works.	lb.	.16½-	—

B

Bakelite, 100% paraphenyl phenol resin, pale, non-heat hardening BR-254, non-ret bbls., ton, works.	lb.	.33 -	—
single dm. and less, works.	lb.	.33½-	.36
phenolic, pale, non-heat hardening, BR-9432, non-ret. bbls., works.	lb.	.31 -	—
single dm. and less, works.	lb.	.31½-	.34
BR-4036, dms., non-ret. bbls., ton, works.	lb.	.37 -	—
single dm. and less, works.	lb.	.37½-	.40
BR-17700, non-ret. bbls., ton, works.	lb.	.32½-	—
single dm. and less.	lb.	.33 -	.35½



...There's Trouble Brewing!

Yes—and there's trouble brewing in YOUR plant when shipments of the solvent you are using for a certain job vary in uniformity. You've got to have UNIFORMITY in solvents to keep production at its peak and protect the quality of *your* product.

Specify SKELLYSOLVE and you'll *get* uniformity. That means a given type of SKELLYSOLVE ordered today will be absolutely *duplicated* in the same type of solvent ordered next week or months hence. You can depend on SKELLYSOLVE—because we depend on *scientific, instrumented quality control* in the manufacturing process.

SKELLYSOLVE
in the **OIL, PAINT** *and* **DRUG FIELD**

The Skellysolve line includes naphthas specially fractionated for all laboratory and industrial uses. We furnish a full line of V. M. & P. naphthas, mineral spirits, and lacquer diluents, as well as many other special hydrocarbons. Our technical staff has aided many manufacturers in developing formulas for new or improved products which have proved to be of great value. Write or wire for full information today.

SKELLY

SKELLYSOLVE

SOLVENTS DIVISION, SKELLY OIL CO.
SKELLY BLDG., KANSAS CITY, MO.

Bakelite, dark, non-heat hardening, BR-1329, non-ret., bbls., ton, works..lb. .29 - —
BR 1329, non-ret., drms., single dm. and less, works..lb. .29½- .32
BR-9434, non-ret. bbls., ton, works..lb. .25½- —
single dm. and less, works..lb. .26 - .28½
BR-9476, dms., non-ret. bbls., works..lb. .29 - —
BR-9476, single dm. and less, works..lb. .29½- .32
pale, heat-hardening, BR-3860, non-ret. bbls., ton..lb. .36 - —
single dm. and less, works..lb. .36½- .39
BR-14634, non-ret. bbls., ton, works..lb. .30 - —
single dm. and less, works..lb. .30½- .33
BR-10282, non-ret. bbls., ton, works..lb. .32 - —
single dm. and less, works..lb. .32½- .35
phenolic resins, oil modified, BR-2175 (MTO), non-ret. kgs., ton, works..lb. .38 - —
single kg. and less, works..lb. .38½- .41
BR-802, non-ret. dms., ton, works..lb. .346 - —
single dm. and less, works, lb. .351 - .376
rosin-baking types, BV-1660, ret. dms., ton, works..lb. .30 - —
single dm. and less, works..lb. .30½- .33
BV-8906 (MTO), non-ret. dms., ton, works..lb. .20 - —
single dm. and less, works..lb. .20½- .23
BV-10675, ret. dms., ton, works..lb. .35 - —
single dm. and less, works..lb. .35½- .39
BV-16607 (MTO), non-ret. dms., ton, works..lb. .212 - —
single dm. and less, works, lb. .217 - .242
dispersion resins, phenolic, BK-3962-X, non-ret. dms., ton, works..lb. .277 - —
single dm. and less..lb. .282 - .307
XX-10700, non-ret. dms., ton, works..lb. .27 - —
single dm. and less..lb. .27½- .30
non-phenolic, XK-16624, non-ret. dms, ton, works, lb. .225 - —
single dm. and less....lb. .23 - .255
resin modified, BR-2072, non-ret. bbls., ton, works..lb. .23 - —
single dm. and less, works, lb. .23½- .26
BR-2963, non-ret. bbls., ton, works..lb. .22 - —
single dm. and less, works, lb. .22½- .25
BR-11504, non-ret. bbls., ton, works..lb. .18 - —
single dm. and less.....lb. .18½- .21
BR-11544, non-ret. bbls., ton, works..lb. .18 - —
single dm. and less.....lb. .18½- .21
lacquer resins and solutions, XR-3180, non-ret. dms., ton, works..lb. .45 - —
single dm. and less..lb. .45½- .48
XR-4357, dms., wks.....lb. .45 - —
single dm. and less..lb. .45½- .48
BJ-15408, non-ret. bbls., ton, works..lb. .24 - —
single dm. and less.....lb. .24½- .27
XJ-10433, ret. dms., ton, works..lb. .37 - —
single dm. and less..lb. .37½- .40
BR-9366, non-ret. bbls., ton, works..lb. .18½- —
single dm. and less..lb. .19 - .21½
100% phenolic, rosin reactive, XR-15775, non-ret. dms., ton, works..lb. .33½- —
single dm. and less..lb. .34 - .36½
XR-15776, ret. dms., dm. charges included, ton, works..lb. .50 - —
single dm. and less..lb. .50½- .53
glycerine reactive, BR-10025, dms., ton, works..lb. .28 - —
single dm. and less..lb. .28½- .31
C-9 resins, solid types, BR-13202, non-ret. bbls., ton, works, lb. .15 - —
single dm. and less..lb. .15½- .18
BR-13260, non-ret. bbls., ton, works..lb. .37 - —
single dm. and less....lb. .375 - .40
liquid types, BR-14590, non-ret. dms., ton, works..lb. .26 - —
single dm. and less..lb. .26½- .29
XR-16780, non-ret. dms., ton, works..lb. .34 - —
single dm. and less..lb. .34½- .37
BR-16640, non-ret. dms., ton, works..lb. .34 - —
single dm. and less..lb. .34½- .37
XR-15840, single dm. and less..lb. .34½- .37

Bakelite prices are f.o.b. manufacturer's plant or warehouse; minimum charges prepaid to destination in the United States on shipments of standard drum quantities or multiples thereof, with the exception of those to Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington and Wyoming, deliveries to which cost 1c. per lb. more.

Made-to-order materials marked (MTO) are those which are not stock materials (not stocked because of changes that occur in physical properties when stored for any length of time) and which therefore have to be manufactured upon receipt of orders and allocation of raw materials.

Beckacite, 1100 M-K, dms., c.l.lb. .15½- —
l.c.l., same basis.....lb. .16 - .16½
1102, M-K, dms., c.l.....lb. .14 - —
l.c.l., same basis.....lb. .14½- .15
1112, WG-N, dms., c.l.....lb. .16 - —
l.c.l., same basis.....lb. .16½- .17
1116, K-1, dms., c.l., same basis lb. .16½- —
l.c.l., same basis.....lb. .17 - .17½
1123, dms., c.l.....lb. .15½- —
l.c.l., same basis.....lb. .16 - .16½
1124, M-K; P-306, M-K, dms., c.l..lb. .14½- —
l.c.l., same basis.....lb. .15 - .15½
P-405, N-K, dms., c.l.....lb. .14½- —
l.c.l., same basis.....lb. .15 - .15½
P-406, M-I, dms., c.l.....lb. .13 - —
l.c.l., same basis.....lb. .13½- .14
1110, N-M, dms., c.l.....lb. .13½- —
l.c.l., same basis.....lb. .14 - .14½
1111, WG-N, No. 1120, M-K, dms., l.c..lb. .15 - —
l.c.l., same basis.....lb. .15½- .16
Beckamine, P-2, works, dms., c.l..lb. .11½- —
l.c.l., same basis.....lb. .12 - .12½
P-138, works, dms., c.l.....lb. .22 - —
l.c.l., same basis.....lb. .22½- .23
P-196, dms., c.l.....lb. .26 - —
l.c.l., same basis.....lb. .26½- .27
P-198, accelerator, works, dms., c.l..lb. .28 - —
l.c.l., same basis.....lb. .28½- .29
Beckamine, P-354, works, dms., cl..lb. .20½- —
l.c.l., same basis.....lb. .21 - .21½
P-364, works, dms., c.l.....lb. .13½- —
l.c.l., same basis.....lb. .13½- .14
Beckopol, 1400 M-K, dms., c.l..lb. .18½- —
l.c.l., same basis.....lb. .19 - .19½
Beckosol, solid, No. 18, 4-5 (80% M.S.), dms., c.l..lb. .26 - —
l.c.l., same basis.....lb. .27 - .28
No. 24, 4-5L (80% toluol), dms., c.l..lb. .33 - —
l.c.l., same basis.....lb. .34 - .35
No. 36, 4-5 (60% toluol), dms., c.l..lb. .38 - —
l.c.l., same basis.....lb. .39 - .40

C

Cumar resin, AX, non-ret. drums, net weight..lb. .06¼- —
BX, net weight.....lb. .06¼- —
CX, gross weight.....lb. .05¾- —
DX, gross weight.....lb. .05½- —
EX, gross weight.....lb. .05¼- —
FX, gross weight.....lb. .05⅝- —
MH, col. 1.....lb. .11⅛- —
1½-2.....lb. .10¾- —
2½-3½.....lb. .09¾- —
9.....lb. .06½- —
MS.....lb. .10¾- —
P 10°-90° C., col. 2½ and darker, lb. .10¾- —
RH.....lb. .10¾- —
RS.....lb. .10¾- —
V col. ½.....lb. .12⅜- —
1.....lb. .11⅜- —
1½-2.....lb. .10⅜- —
2½ and darker.....lb. .09⅜- —
W col. ½.....lb. .13½- —
1.....lb. .12½- —
1½-2.....lb. .11½- —
2½ and darker.....lb. .10½- —

All "P" grades with melting point below 80 degrees C., and grades AX and BX are shipped in steel drums, with the two last-mentioned grades reckoned on a net weight basis. All other grades are shipped in destructible fiber and metal drums, but their packaging is subject to change without notice. Prices are based on f.o.b. plant at Frankford, Pa., freight equalized with Pittsburgh, with no revisions for shipments made in fiber containers.

D

Durite, 1301, pale, one drum and over..lb. .29 - —
smaller lots.....lb. .30 - —
Durite prices are f.o.b. Phila., Pa., with freight allowed east of Rocky Mts.

E

Esterol, alkyd solution, A, dms., c.l., dlvd..lb. .15½- —
l.c.l.....lb. .16 - —
22-B, c.l., dlvd.....lb. .10½- —
l.c.l.....lb. .11 - —
33, c.l., any quantity, dlvd.lb. .15 - —
562, c.l., dlvd.....lb. .16½- —
l.c.l.....lb. .17 - —
562, c.l., dlvd.....lb. .16½- —
l.c.l.....lb. .17 - —
660-N, c.l., dlvd.....lb. .15 - —
l.c.l.....lb. .15½- —
750, any quantity, dlvd....lb. .15 - —
2185, c.l., dlvd.....lb. .15 - —
l.c.l.....lb. .15½- —
2195, c.l., dlvd.....lb. .16 - —
l.c.l.....lb. .16½- —
2600, c.l., dlvd.....lb. .18 - —
l.c.l.....lb. .18½- —
3172, c.l., dlvd.....lb. .14½- —
l.c.l.....lb. .15 - —
4040, c.l., dlvd.....lb. .15 - —
l.c.l.....lb. .15½- —
4052-B, any quantity, dlvd..lb. .12 - —
5141, c.l., dlvd.....lb. .11½- —
l.c.l.....lb. .12 - —

F

Flexalyn solution, non-ret. black iron dms., c.l., f.o.b. cars, destination, zone 1.....lb. .1250- —
l.c.l., 10 dms., same basis..lb. .1325- —
single dms., same basis..lb. .1475- —
smaller lots, same basis..lb. .1975- —
C solution, non-ret. black iron dms., c.l., f.o.b. cars, destination, zone 1.....lb. .1175- —
10 dms., same basis.....lb. .1250- —
single dms., same basis...lb. .1400- —
smaller lots, same basis..lb. .1900- —
Flex-Synol, A, c.l., works.....lb. .085 - —
1-20 dms.....lb. .09 - —
B, c.l., works.....lb. .095 - —
1-20 dms.....lb. .10 - —
C, c.l., works.....lb. .11 - —
1-20 dms.....lb. .115 - —

G

G. resin, dms., gross weight, works..lb. .08 - —
Geon polyvinyl resins, Nos. 101 and 102, 30,000 lbs, works..lb. .38 - —
5,000 to 29,999 lbs., same basis..lb. .39 - —
200 to 4,999 lbs., same basis. lb. .41 - —
up to 199 lbs., same basis..lb. .55 - —
No. 202, 30,000 lbs., works..lb. .45 - —
5,000 to 29,999 lbs., same basis..lb. .46 - —
200 to 4,999 lbs., same basis. lb. .48 - —
up to 199 lbs., same basis..lb. .63 - —
No. 203, 30,000 lbs., works...lb. .48 - —
5,000 to 29,999 lbs., same basis..lb. .49 - —
200 to 4,999 lbs., same basis. lb. .51 - —
up to 199 lbs., same basis..lb. .66 - —

Guai-a-phene, dms. (dm. deposit $6.00), works..gal. 2.47 - -
4 gals. or multiples, glass jars.
Guai-a-phene, 4 jars in each paper carton, works..gal. 2.62 - -
1-3 gals., cns., works....gal. 2.82 - -

H

Hercolyn (see methyl abietate hydrogenated) in Current Market Quotations.

J

Jozite (see zinc-iron oxide pigment in regular list above).

K

Kopol, 500, esterfied, D-B, c.l..lb. .22 - —
l.c.l.....lb. .22½- .23
501, fused, c.l.....lb. .20 - —
l.c.l.....lb. .20½- .21

GLYPTAL SUGGESTIONS

FOR MAKING BETTER MARINE PAINTS

Use ZV-3180 or ZV-3363

Extremely high uniformity, negligible viscosity variations and excellent pigment compatibility are three outstanding characteristics of these Glyptal Alkyd Resin solutions. ZV-3180 is recommended for Navy Department specifications calling for 52R13 while ZV-3363 is recommended for Maritime Commission specification 52-MC-21. Both are long drying oil alkyds, with soya oil used in ZV-3180 and linseed oil in ZV-3363. Detailed comparison is given in the table.

COMPARISON OF PROPERTIES

CONSTANTS	ZV-3180	ZV-3363
Solids content	69-71%	69-71%
Solvent	Pet. Spts.	Pet. Spts.
Flash Pt. C.C. °F	100	100
Viscosity (G-H)	Y-Z1	Y-Z1
Color (Hellige)	3-4	3-5
Acid No. of solution	5-7	5-7
RESIN CONSTANTS		
Specific gravity	1.05	1.05
Phthalic anhydride	23-24%	23-24%
Rosin or derivatives	None	None
Phenolic content	None	None
Oil acids content	62%	62%
Type of oil	Soya	Linseed
Aliphatic solvent tolerance	Excellent	Excellent
Oil miscibility	Excellent	Excellent
Pigment compatibility	Excellent	Excellent
FILM PROPERTIES		
Air dry - - satting time	Slow	Slow
Air dry - - through dry	Good	Fair
Baking speed	Slow	Slow
Hardness	Fair	Fair
Flexibility	Excellent	Excellent
Gloss retention	Good	Excellent
Color retention	Excellent	Fair
Water resistance	Excellent	Excellent
Oil and gasoline resistance	Excellent	Excellent
Durability	Excellent	Excellent

Glyptal

ALKYD RESINS

Samples on request—Samples of either or both of these Glyptal alkyd resins may be obtained by writing to: Section RIMA-351-3S, Resin and Insulation Materials Division, General Electric Co., Schenectady 5, N. Y.

GENERAL ELECTRIC

BILLION-DOLLAR COAT

• As we civilians dig deep to buy the bonds that build ships, planes, and tanks, it's good to know this fact: Our Armed Forces have gone "all out" to protect the billions invested in war equipment against the ravages of rust and rough handling.

As manufacturers of "S&W" resins, U.S.I. solvents, and other chemicals used in protective coatings for war equipment, we at U.S.I. are proud of the part our research has played. We are proud, too, of the flexibility we have maintained in the fast-changing resin field. For it is this flexibility which has enabled us to keep pace with—often anticipate your needs for resin improvements.

THE COMPLETE RESIN LINE

"S & W" ESTER GUM—all types
CONGO GUM — raw, fused and esterified
AROPLAZ—alkyds and allied materials
AROFENE—pure phenolics
AROCHEM—modified types
NATURAL RESINS—all standard grades

U.S.I. INDUSTRIAL CHEMICALS, INC.

60 EAST 42ND ST., NEW YORK 17, N. Y.

CHEMICALS · RESINS · ANTI · USI SERVICE TO INDUSTRY · SOLVENTS · ALCOHOLS · FREEZE

BRANCHES IN ALL PRINCIPAL CITIES

L

Lewisol resin, 2 L, non-returnable fiber dms., c.l., f.o.b. cars, destination, zone 1..lb. .16½- —
l.c.l., 10 dms., same basis..lb. .17 - —
1 dm., same basis.....lb. .17½- —
smaller lots, same basis....lb. .22½- —
Lewisol resin, 28, non-returnable fiber dms., c.l., f.o.b. cars, destination, zone 1..lb. .16½- —
10 dms., same basis.....lb. .17 - —
1 dm., same basis.....lb. .17½- —
smaller lots, same basis....lb. .22½- —
33, non-returnable fiber dms., c.l., f.o.b. cars, destination, Zone 1..lb. .16½- —

Lewisol resin prices are f.o.b. cars, New England States, Middle Atlantic States, Va., W.Va., N.C., Ky., Ohio, Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn., St. Louis, Mo. Cost of non-returnable dms. is included in the price in each instance.

M

Metronite pigment, 120 and 180 mesh, containers extra, c.l., f.o.b. Millwaukee..ton.10.00 - —
l.c.l., same basis.....ton.14.00 - —
250 mesh, containers extra, c.l., same basis..ton.15.00 - —
l.c.l., same basis.....ton.17.50 - —
325 mesh, containers extra, c.l., same basis..ton.17.50 - —
l.c.l., same basis.....ton.20.00 - —
400 mesh, containers extra, c.l., same basis..ton.20.00 - —
l.c.l., same basis.....ton.22.50 - —

N

Neo-fat drying oil, 170, dms., c.l., dlvd..lb. .14¾- —
190, dms., c.l., dlvd.....lb. .18¾- —
290, dms., c.l., dlvd.....lb. .20¾- —
fatty acid, 3R, dms., c.l., dlvd..lb. .13¾- —
17, dms., c.l., dlvd.....lb. .12¾- —
19, dms., c.l., dlvd.....lb. .16¾- —

Neo-fat prices are ¼c. per lb. higher in all States west of the Rocky Mountains. Drums in all instances are returnable.

Nevillac, pale, hard, color 1-2, melting point 85-95°C., drums, works..lb. .19 - —
hard, color 2-½-4, melting point 85-95°C., same basis..lb. .17 - —
soft, color, 2-½-4, melting point 65-75°C., same basis..lb. .17 - —
10 C, color ½-4, same basis..lb. .24 - —
LX-483 same basis.....lb. .22 - —
OA, same basis.....lb. .45 - —
Neville resin, R-1 nevindene, col. ¼, dms., works..lb. .13½- —
R-3, nevindene, col. 1, dms., works..lb. .12½- —
R-5, nevindene, col. 1½-2, dms., works..lb. .11½- —
R-6 nevindene, col. 2½-3½, dms., works..lb. .10½- —
R-7, N.P.S., col. below 3, dms., works..lb. .12¾- —
R-9, hard, col. ½, dms., works. lb. .13¾- —
R-10, hard, col. 1, dms., works..lb. .11¾- —
R-11, hard, col. 1½-2, dms., works..lb. .10¾- —
R-12, hard, col. 2½-3½, dms., works..lb. .09¾- —
R-13, medium, col. ½, dms., works..lb. .12¾- —
R-14, medium, col. 1, dms., works..lb. .11¾- —
R-15, medium, col. 1½-2, dms., works..lb. .10¾- —
R-16, medium, col, 2½-4, dms., works..lb. .09¾- —
R-16A, medium, col. 7-10, dms., works..lb. .08½- —
R-17, medium, soft, col. 3½-8, dms., works..lb. .10¾- —
R-19, medium soft, col. 3½-8, dms., works..lb. .10¾- —
Neville resin, R-21, soft, col. 3½-8, dms., works..lb. .10¾- —
R-22, special, soft, col. 3½-8, dms., works..lb. .10¾- —
R-27, medium, soft, col. 1, dms., works..lb. .13¾- —
R-28, medium soft, col. 1½-2, dms., works..lb .12¾- —
R-29, medium soft, col. 2½-8, dms., works..lb. .10¾- —
465, 110-125° C., dms., gross weight, Pittsburgh..lb. .03¼- —

Neville resin prices, except 465 resin, are freight equalized with Phila. Less than full drum shipments are 5c. per pound additional, f.o.b. Neville Island, Pa.

Nevilloid, C-55 emulsion, ret. dms., works..lb. .12 - —
C-10 emulsion, ret. dms., works lb. .1125- —
Nevtex, 10, returnable dms., works..lb. .08 - —
90, returnable dms., works lb. .20 - —
Nuba, 1, 80-95° C., dms., gross weight, works..lb. .0290-
2, 100-125° C., dms., gross weight, works..lb. .0290-
3x, 135-150° C., dms., gross weight, works..lb. .04¼- —
Nuodex drier, cobalt, 6%, 400-lb pkgs..lb. .30¼- —
10%, 100-lb. pkgs.....lb. .48½- —
Iron, 6%, 400-lb. pkgs.....lb. .14¾- —
10%, 100-lb. pkgs.....lb. .23¼- —
Lead, 24%, 450-lb. pkgs...lb. .14 - —
34%, 100-lb. pkgs.....lb. .19 - —
10%, 100-lb. pkgs.....lb. .25¼- —
6%, 400-lb. pkgs.....lb. .15¾- —
Zinc, 8%, 400-lb. pkgs.....lb. .15¾- —
12%, 100-lb. pkgs.....lb. .22½- —
Nuodex drier, lead-cobalt, 28%: 2.8%, 150-lb. pkgs..lb. .29½- —
Lead-manganese, 28%:2.8%, 150-lb. pkgs..lb. .22¾- —

All prices are dlvd. in U.S.A., except California, Oregon and Washington.

P

Paradene, No. 1, 75-99° C., dms., gross wt., works..lb. .06¼- —
color 12-16, dms., gross wt., works..lb. .0525- —
2, 100-125° C., dms., gross wt., works..lb. .06¼- —
color 12-16, dms., gross wt., works..lb. .0525- —
33, 34, color 10-15, dms., works. lb. .0625- —
35, color 10-15, dms., works, gross wt..lb. .0575- —

Paradene prices are freight equalized with Philadelphia, Pa.

Paradura, 46, c.l., dlvd.....lb. .22¾- —
l.c.l. .....lb. .23¼- —
273, c.l., dlvd.....lb. .23 - —
l.c.l. .....lb. .24 - —
Paranol resin, hard, No. 1, c.l., dlvd..lb. .15 - —
l.c.l. .....lb. .15½- —
25, c.l., dlvd.....lb. .15½- —
l.c.l. .....lb. .16 - —
54-E, c.l., dlvd.....lb. .18½- —
l.c.l. .....lb. .19 - —
105, dark, c.l., dlvd.....lb. .14½- —
l.c.l. .....lb. .15 - —
X hard, c.l., dlvd.....lb. .15½- —
l.c.l. .....lb. .16 - —
200, c.l., dlvd.....lb. .17¾- —
l.c.l. .....lb. .18½- —
500, hard, c.l., dlvd.....lb. .16½- —
l.c.l. .....lb. .17 - —
X hard, c.l., dlvd.....lb. .19 - —
l.c.l. .....lb. .19½- —
850, c.l., dlvd.....lb. .15 - —
l.c.l. .....lb. .15½- —
1750, c.l., dlvd.....lb. .16¾- —
l.c.l. .....lb. .17¼- —
1855, c.l., dlvd.....lb. .15½- —
l.c.l. .....lb. .16 - —
Parazenes, 4634 solution (50% in mineral spirits), c.l., dlvd., lb. .11 - —
l.c.l. .....lb. .11½- —
5 solution, c.l. and l.c.l., dlvd., lb. .12 - —
Pentalyn A, non-returnable fiber dms., c.l., f.o.b. cars, destination, zone 1..lb. .13 - —
l.c.l., 10 dms., same basis, lb. .13½- —
single dms., same basis.....lb. .14 - —
smaller lots, same basis..lb. .19 - —
G, non-returnable fiber dms., c.l., f.o.b. cars, destination, Zone 1..lb. .14½- —
l.c.l., 10 dms., same basis..lb. .15 - —
single dms., same basis..lb. .15½- —
smaller lots, same basis..lb. .20½- —
P.H.O., dms., works.....lb. .24 - —
Piccolastic, A, B, C, D, E types, c.l., Clairton, Pa..lb. .24 - —
l.c.l., same basis.....lb. .24½- —
F series, c.l., same basis..lb. .14½- —
l.c.l., same basis.....lb. .15 - —
powder, same basis.....lb. .35½- —
Piccolyte resins, S-10, S-25, S-40, bulk, net wt., f.o.b. Clairton, Pa., c.l..lb. .15 - —
l.c.l. .....lb. .15½- —
S-55, S-70, same basis, c.l.lb. .16 - —
l.c.l. .....lb. .16½- —
S-85, S-100, same basis, c.l.lb. .17 - —
l.c.l. .....lb. .17½- —
S-115, same basis, c.l.....lb. .18 - —
l.c.l. .....lb. .18½- —
Piccoumaron resins,[1] 420, 420-S, bulk, gross wt., f.o.b. Clairton, Pa., frt. equald..lb. .08 - —
420-T, same basis.....lb. .0675- —
422-R, 428-R, 425-R, 427-R, bulk, net wt., same basis.lb. .1075- —
430, 435, bulk, gross wt., same basis..lb. .045 - —
440-T, same basis.....lb. .0625- —
450, 450-H and 450-S, same basis..lb. .09 - —
450-EH, same basis.....lb. .0975- —
460-T, same basis.....lb. .0675- —
XX-25, XX-40, bulk, net wt., same basis..lb. .0625- —
XX-55, bulk, gross wt., same basis..lb. .0575- —
XX-70, XX-100, same basis.lb. .0525- —
XX-115, same basis.....lb. .0575- —
T-115, same basis.....lb. .0720- —
70%, 420-S Sol., ret. dms., net wt..lb. .075 - —
Pliolite S-1 powder, ton lots, works..lb. .75 - —
dm. lots, same basis.....lb. .78 - —
less dm. lots, same basis, lb. .83 - —
milled S-1, ton lots.....lb. .84 - —
dm. lots, same basis.....lb. .88 - —
less dm. lots, same basis, lb. .93 - —
S-3 powder, ton lots, same basis..lb. .64 - —
dm. lots.....lb. .66 - —
less dm. lots.....lb. .71 - —
Plyophen, solution, 5000, c.l., works..lb. .18 - —
l.c.l., same basis.....lb. .18½- .19
5010, c.l., same basis.....lb. .18½- —
l.c.l., same basis.....lb. .19 - .19½
5011, c.l., same basis.....lb. .17½- —
l.c.l., same basis.....lb. .18 - .18½
5012, 5013, c.l., same basis..lb. .13 - —
l.c.l., same basis.....lb. .13½- .14
5014, c.l., same basis.....lb. .14½- —
l.c.l., same basis.....lb. .15 - .15½
Polyamide, ED, Nos. 93, 94 and 95, f.o.b. works, all quantities..lb. .45 - —

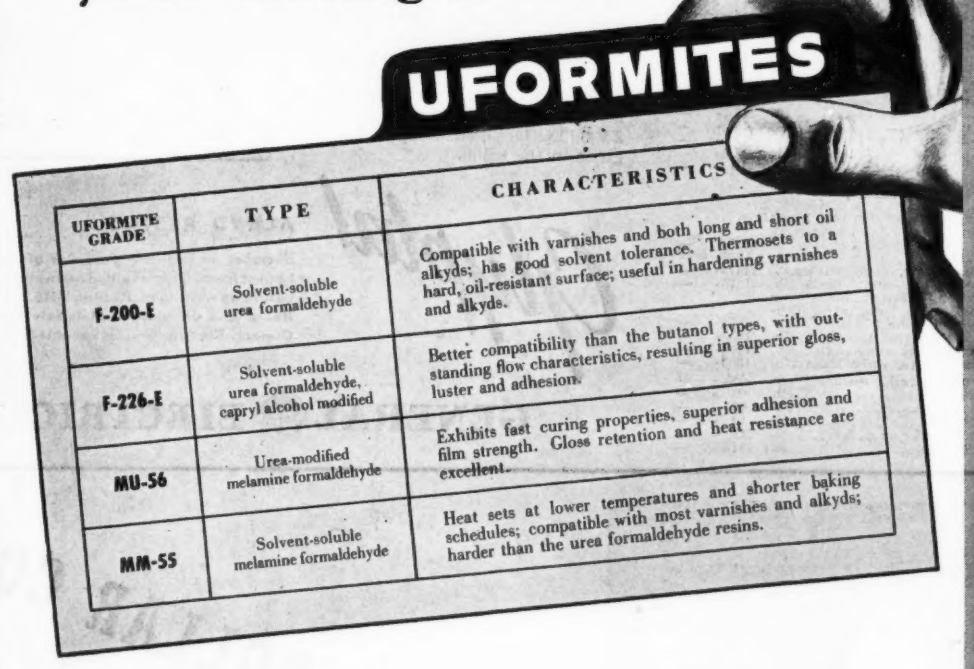
R

Resinous oil, No. XI, returnable dms., works..lb. .0160- —

S

Silene (see Calcium silicate hydrated under C in Current Market Quotations)
Staybelite ester, No. 1, non-returnable fiber dms., c.l., f.o.b. cars, destination, zone 1..lb. .17½- —
10 dms., same basis.....lb. .18½- —
1 dm., same basis.....lb. .19½- —
smaller lots, same basis....lb. .24½- —
No. 2, returnable black iron dms., c.l., f.o.b. cars, destination, zone 1..lb. .1824- —
No. 3, returnable black iron dms, c.l., f.o.b. cars, destination, zone 1..lb. .1974- —
10 dms., same basis.....lb. .2049- —
1 dm., same basis.....lb. .2149- —
smaller lots, same basis....lb. .2049- —
No. 10, non-returnable fiber dms., c.l., f.o.b. cars, destination, zone 1..lb. .14½- —
No. 10, dms., same basis.....lb. .14¾- —
1 dm., same basis.....lb. .15 - —
smaller lots, same basis....lb. .20 - —
Super-Beckacite, RM-254, 1001, 1020, c.l..lb. .33 - —
l.c.l., same basis.....lb. .33½- .34
1003, F.R., c.l.....lb. .31 - —
l.c.l. same basis.....lb. .31½- .32
2000, M-K, c.l.....lb. .27 - —
l.c.l., same basis.....lb. .27½- .28

Coatings resins you need to fortify your baking finishes



UFORMITE GRADE	TYPE	CHARACTERISTICS
F-200-E	Solvent-soluble urea formaldehyde	Compatible with varnishes and both long and short oil alkyds; has good solvent tolerance. Thermosets to a hard, oil-resistant surface; useful in hardening varnishes and alkyds.
F-226-E	Solvent-soluble urea formaldehyde, capryl alcohol modified	Better compatibility than the butanol types, with outstanding flow characteristics, resulting in superior gloss, luster and adhesion.
MU-56	Urea-modified melamine formaldehyde	Exhibits fast curing properties, superior adhesion and film strength. Gloss retention and heat resistance are excellent.
MM-55	Solvent-soluble melamine formaldehyde	Heat sets at lower temperatures and shorter baking schedules; compatible with most varnishes and alkyds; harder than the urea formaldehyde resins.

THE UFORMITES offer outstanding advantages for increasing the durability and improving the color retention of finishes. These extremely hard resins are used in conjunction with PARAPLEX or DURAPLEX resins. The UFORMITES impart hardness; the PARAPLEXES and DURAPLEXES give flexibility and adhesion.

Consult our technical staff on the use of the UFORMITES to improve your baking finishes—or for detailed information on other coatings resins: ACRYLOID, AMBEROL, AMBERLAC, AQUAPLEX.

8 awards to The Resinous Products & Chemical Company and its associated firms, Rohm & Haas Company and Charles Lennig & Co.

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Represented by Cia Rohm y Haas, S.R.L., Carlos Pellegrini 331, Buenos Aires, Argentina, and agents in principal South American cities.

THE RESINOUS PRODUCTS & CHEMICAL COMPANY
WASHINGTON SQUARE, PHILADELPHIA 5, PA.

TRADE MARK

Superbeckacite, 2667, E-D, c.l.	lb.	.23	—
l.c.l., same basis	lb.	.23½	.24
3011, c.l.	lb.	.31½	—
l.c.l.	lb.	.32	.32½

V

Vanadiset resins, dlvd., Baltimore-Washington area, Del., Mass., R. I., c.l.	lb.	.017	—
l.c.l.	lb.	.025	—
under 2,000 lbs.	lb.	.04	—
Greater N. Y., N. J., Conn., c.l.	lb.	.015	—
l.c.l.	lb.	.024	—
under 2,000 lbs.	lb.	.04	—
Maine, N. H., Ver., c.l.	lb.	.017	—
l.c.l.	lb.	.026	—
under 2,000 lbs.	lb.	.04	—
Canada, Windsor to Montreal, c.l.	lb.	.019	—
l.c.l.	lb.	.027	—
under 2,000 lbs.	lb.	.043	—
Ariz., Cal., Canada in general, Nev., N. M., Ore., Utah, Wash. State, c.l.	lb.	.027	—
l.c.l.	lb.	.035	—
under 2,000 lbs.	lb.	.047	—
Pa., west of Susq. Riv., west and north of Williamsport, Md., Frederick and West. c.l.	lb.	.017	—
l.cl.	lb.	.026	—
under 2,000 lbs.	lb.	.042	—
Ala., Fla., Ia., Minn., Miss., c.l.	lb.	.019	—
l.c.l.	lb.	.028	—
under 2,000 lbs.	lb.	.044	—
Ark., Colo., Neb., c.l.	lb.	.021	—
l.c.l.	lb.	.03	—
under 2,000 lbs.	lb.	.045	—
Greater N. Y., N. J., Conn., c.l.	lb.	.015	—
l.c.l.	lb.	.024	—
under 2,000 lbs.	lb.	.04	—
Ga., Ill., Ky., Tenn., Mich., c.l.	lb.	.019	—
l.c.l.	lb.	.027	—
under 2,000 lbs.	lb.	.042	—
Louisiana, Okla., Tex., Kan., Dakotas, c.l.	lb.	.02	—
l.c.l.	lb.	.03	—
under 2,000 lbs.	lb.	.045	—
N. Y. State, Pa., East, c.l.	lb.	.016	—
l.c.l.	lb.	.025	—
under 2,000 lbs.	lb.	.04	—
Ohio, Ind., W. Va., c.l.	lb.	.018	—
l.c.l.	lb.	.027	—
under 2,000 lbs.	lb.	.042	—
Mo., c.l.	lb.	.019	—
l.c.l.	lb.	.027	—
under 2,000 lbs.	lb.	.043	—
Wis., c.l.	lb.	.019	—
l.c.l.	lb.	.028	—
under 2,000 lbs.	lb.	.043	—
Idaho, Wyo., c.l.	lb.	.025	—
l.c.l.	lb.	.035	—
under 2,000 lbs.	lb.	.045	—
Mont., c.l.	lb.	.027	—
l.c.l.	lb.	.034	—
under 2,000 lbs.	lb.	.047	—
Ind., O., Va., W. Va., c.l.	lb.	.018	—
l.c.l.	lb.	.027	—
under 2,000 lbs.	lb.	.042	—
Vinylseal adhesive solutions, vinylite resin AYAB, 69-72% by weight, solution in acetone, A-70, drum lots, f.o.b. South Charleston, W. Va.	gal.	2.75	—
less than drum lots, same basis	gal.	3.00	—
AYAF, 33% by weight, solution in acetone, A-33, drum lots, same basis	gal.	2.10	—
less than drum lots, same basis	gal.	2.50	
Vinylseal, modified, vinyl acetate resin, 24.5% by weight, solution in toluene, T-24-9, 20-drum lots, same basis	gal.	2.00	—
drum lots, same basis	gal.	2.25	—
less than drum lots, same basis	gal.	2.50	—
28% by weight, solution in 82% methyl acetate, MA 28-14, 20-drum lots, same basis.	gal.	2.15	—
drum lots, same basis	gal.	2.40	—
less drum lots	gal.	2.65	—
All "Vinylseal" containers except 1-gal. size are returnable. Extra charge of 40c for 1-gal. containers; 55-gal. drums are valued at $5 each.			
Vinylite resins, vinyl chloride-acetate, VYLF, VYHH, VYNW, VYNU, powdered, c.l. (30,000 lbs.), paper bags, f.o.b. cars, South Charleston, W. Va.	lb.	.38	—
10,000 to 29,999 lbs., same basis	lb.	.39	—
200 to 9,999 lbs., same basis.	lb.	.40	—
1 to 199 lbs., same basis	lb.	.56	—
VYNS, c.l. (30,000 lbs.), paper bags, same basis	lb.	.50	—
10,000 to 29,999 lbs., same basis	lb.	.51	—
200 to 9,999 lbs., same basis,	lb.	.52	—
1 to 199 lbs. same basis	lb.	.68	—
modified vinyl chloride-acetate, VMCH, powdered, c.l. (30,000 lbs.), paper bags, same basis	lb.	.47	—
10,000 to 29,999 lbs., same	lb.	.48	—
200 to 9,999 lbs., same basis, basis	lb.	.49	—
1 to 199 lbs., same basis	lb.	.65	—
Vinyl acetate resins, AYAB, lumps (in fiber drums at option of seller); AYAA, AYAF, AYAT, granular (in paper bags only), f.o.b. cars South Charleston, W. Va., freight paid to destination E. of Mississippi river, c.l. (30,000 lbs.)	lb.	.40	—
2,000 to 29,999 lbs., same basis	lb.	.43	—
200 to 1,999 lbs, same basis.	lb.	.45	—
1 to 199 lbs., same basis	lb.	.60	—
chloride resins, QYNA, powdered, c.l. (30,000 lbs.), paper bags, f.o.b. cars South Charleston, W. Va.	lb.	.38	—
10,000 to 29,999 lbs., same basis	lb.	.39	—
200 to 9,999 lbs., same basis,	lb.	.40	—
1 to 199 lbs., same basis	lb.	.56	—
butyral resins, XYHL, XYHM, XYNC, granular, 93 to 97% solids, prices based on contained solids (in paper bags at option of seller), 30,000 lbs., f.o.b. cars South Charleston, W. Va., c.l.	lb.	.82	—
10,000 to 29,999 lbs., same basis	lb.	.83	—
200 to 9,999 lbs., same basis.	lb.	.84	—
1 to 199 lbs., same basis	lb.	1.00	—

Z

Zinlac, orange or white, 50-gal. bbls.	gal.	1.85	—
kits (5 gals.)	gal.	1.85	—
tugs (1 gal.)	gal.	1.95	

Durez RESIN NEWS

Durez 50800 Liquid Resin

At the present time when drying oils and resins for the production of miscellaneous coatings are difficult to obtain, a material which serves as a partial replacement for each of these items and which is available without restrictions is of definite interest.

Durez 50800 is an oil-free, oxidizable binder which embodies the characteristics of both an oil and a resin. It can be used in extending drying oil by blending directly with the oil in making general-type finishes and, in some cases, as the complete vehicle without drying oil. A small amount may be used advantageously to conserve oil and resin and to reduce the cost of many established items.

Suggested uses are as a grinding medium or thinner to produce a cold-cut varnish for blending with other varnishes to change oil length, for replacement of part of the linseed oil in house paints, or for similar uses. Its excellent wetting action on pigments makes it an ideal grinding medium. Pastes with high pigment content are soft and have minimum flow. In conjuction with linseed oil, it produces very acceptable vehicles and binders for emulsion paints. When used in cooked varnishes, it should be added as a "check" after body has been secured on the drying oil portion. When used straight with thinner and driers added, it produces a dried film approximately equivalent to a short-oil varnish in flexibility.

Durez 50800 Liquid Resin is compatible with all commonly used drying oils and resins. It is soluble in petroleum and coal-tar hydrocarbons.

Ready-Mixed Aluminum Paint

It is possible to produce a good quality ready-mixed aluminum paint using either Durez 210 or 220 Resin with a combination of dehydrated castor oil and linseed oil.

The aluminum paint maintains excellent leafing over a long period. The film sets and dries quite rapidly and becomes hard and tough on aging. It has very good weather resistance.

The vehicle is identified by formula number V-51049A, and the aluminum paint formula is known as AL-51050A.

Durez 219 Resin Varnish

A large variety of very acceptable varnishes and enamel liquids can be produced from Durez 219 Resin and soft-drying oils such as linseed and dehydrated castor oil. A formula which illustrates a typical use of Durez 219 Resin is V-51064. This is made with a combination of linseed and dehydrated castor oil with a very small percentage of lime to give additional viscosity. The presence of the lime results in additional drying speed and does not detract from water and alkali resistance. The varnish produces a pale film which dries rapidly and acquires very good hardness and toughness.

For samples or further information on above Durez resins, write to . . .

DUREZ PLASTICS & CHEMICALS, INC.
383 Walck Rd., North Tonawanda, N. Y.

DUREZ
RESINS THAT FIT THE JOB

VELSICOL
AF-3
AN OXIDIZING AND POLYMERIZING RESIN

AF-3 meets the requirements for an available resin for air and force dry and baked finishes. When properly formulated, coatings based on AF-3 show excellent chemical and water resistance, toughness, hardness, and flexibility. Because of its exceptionally high iodine number (300-325) A-F 3 speeds the drying time of the slower vegetable and marine oils. It extends many of the scarce resins or serves as a total replacement without sacrifice of film quality. AF-3 is recommended in the production of priming coats for metal and wood, for aluminum vehicles, enamels, varnishes, sanitary can lacquers and is obtainable in solid form and in solution.

AF-3 is not subject to W.P.B. restrictions, and is immediately available.

Write now for sample, prices and complete data.

VELSICOL *Corporation*

GENERAL OFFICES: 120 EAST PEARSON STREET, CHICAGO

PLANT: MARSHALL, ILLINOIS

"And Freedom's banner streaming o'er us"

Oil, Paint & Drug Reporter

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Volume 147 March 5, 1945 Number 10

A Beneficent Power Combine

The public press tells of plans of the electric utilities industries to spend, oh, a couple of billions, in extending their services geographically after the war. There is good news in that, and it is to be hoped that the expenditures can be made in some sort of partnership with the Federal government with a view of making a combination of the best features of public and private enterprise widely available. In the matter of such relations of business and government, combination is not in restrait of trade and is far more desirable than competition, from every angle, even that of the consumer who may be getting service at an apparently lesser cost from governmental facilities.

Even without the Tennessee Valley Authority, the Federal government is big business in the electric utilities field. Its Department of the Interior agencies marketed 17,600,000,000 kilowatt hours of electric energy in the 1944 fiscal year, increasing the volume of their business 50 percent over the preceding year. These agencies not only distribute the energy produced by the department's power division, but also market that produced in War Department plants, which have about 20 percent of the total capacity involved.

It is not to be wondered, then, why the Secretary of the Interior in his recent annual report recommended peacetime continuation of the wartime activities of the government in the realms of electric, hydraulic, and other power. It is interesting to note that the secretary painted against his suggested background a very appealing and encouraging picture of how this would provide employment for war veterans, to millions of whom he would extend additional opportunities in greater and greater expansion of the idea of conservation with the power motif.

One thing, mainly, has given governmental power projects a leg up on the operations of private concerns; this is the capital their supporters make of the policy of leveling off costs and charges so that service is provided in communities from which no net revenue can be got. It is questionable whether governmental supervisory bodies would pass such a plan for a private concern. But, this and many other, all-round benefits could be got from a properly arranged combination of public and private enterprise and facilities, whose magnitude need not perturb the Department of Justice.

—O-P-D—

Patents and Peace

Legislation to prevent the return of any property seized by the Alien Property Custodian to nationals of countries with which the United States is at war has been introduced in the United States Senate. The bill (S. 526) also would prohibit the return of such seized property to any person or firm listed on the proclaimed list of blocked nationals. If the experience of the previous world war's aftermath is not to be repeated, something more than a legislative edict will be necessary to prevent the regaining of a substantial, if not dominating, influence on business in the United States by enemy money, if not directly by enemy men.

Blocking the return to world economic power of German and Japanese trusts is not going to be so simple as it is generally regarded. For one thing, there will be no universal demand for such action among those who will determine such things. For another thing, there are far too many backdoors to make blocking easy, even though a determination to block were agreed upon governmentally. It is already apparent from Italy's reception as a sinner returning that even such a small measure of agreement will not be hog-tight.

If the former domination of world trade is not to be regained by way of cartels and the like by trusts which make United States big business look like crossroads enterprises, not only must there be no returning, even in part, of vested enemy patents and their concomitants; but all the patents of enemy nationals in their own countries must be thrown open to world use.

—O-P-D—

Service or Slavery

In the welter of this, that, and something else which characterizes the congressional atmosphere surrounding the protean work-or-fight bill, the idea of universal military training appears to have been lost to sight and sound. In the public mind, there is a more definite picture of the need—a new and equally competent group of leaders in higher education has crossed swords with those who a few weeks ago adversely memorialized the President; polls of public opinion show a big majority in favor of military training in the United States as a progressive and necessary step toward the maintenance of world peace.

But, letters to the newspapers are still many from all sorts of opponents. Some few offer constructive criticism, largely too narrowing in its effect upon a measure that must encompass the world or be useless. Most of the opposition is sentimental, varying in motif from that pertinently expressed by the song, "I didn't raise my boy to be a soldier," to more expansive comprehension of the American tradition in a score of versions. Some opposition is phrased with much display of military genius: most of which does not jibe with the related experiences of today's battlefronts.

One of the most common arguments is that war is no longer a military matter, but is a mechanical contest—"military" being intended to mean men with guns. But, foot-soldiers with hand-guns are still the deciding factor where the final fighting goes on. Another argument runs head-on into itself because it holds that war is a field of mechanics, while at the same time contending that the proposed military training is nothing but camouflage for a purpose of vocationally training youth. How strange it is that 3,366,950 persons enrolled for training in the civilian mechanics of war in 1944; that this total since July 1, 1940, is almost 15,000,000: without benefit of any sort of camouflage!

It should be clear that those who would shape the military training of youth know that strength for peace is more today than something of the manual of arms and the rifle-range. They know, too, that the often-offered analogy with the experiment of prohibition just is not there. They know, and many others know, that, even if a course of military training could be termed regimentation, it is far preferable to the slavery or death that would be inevitable in an unchecked campaign of revenge for this war's defeats.

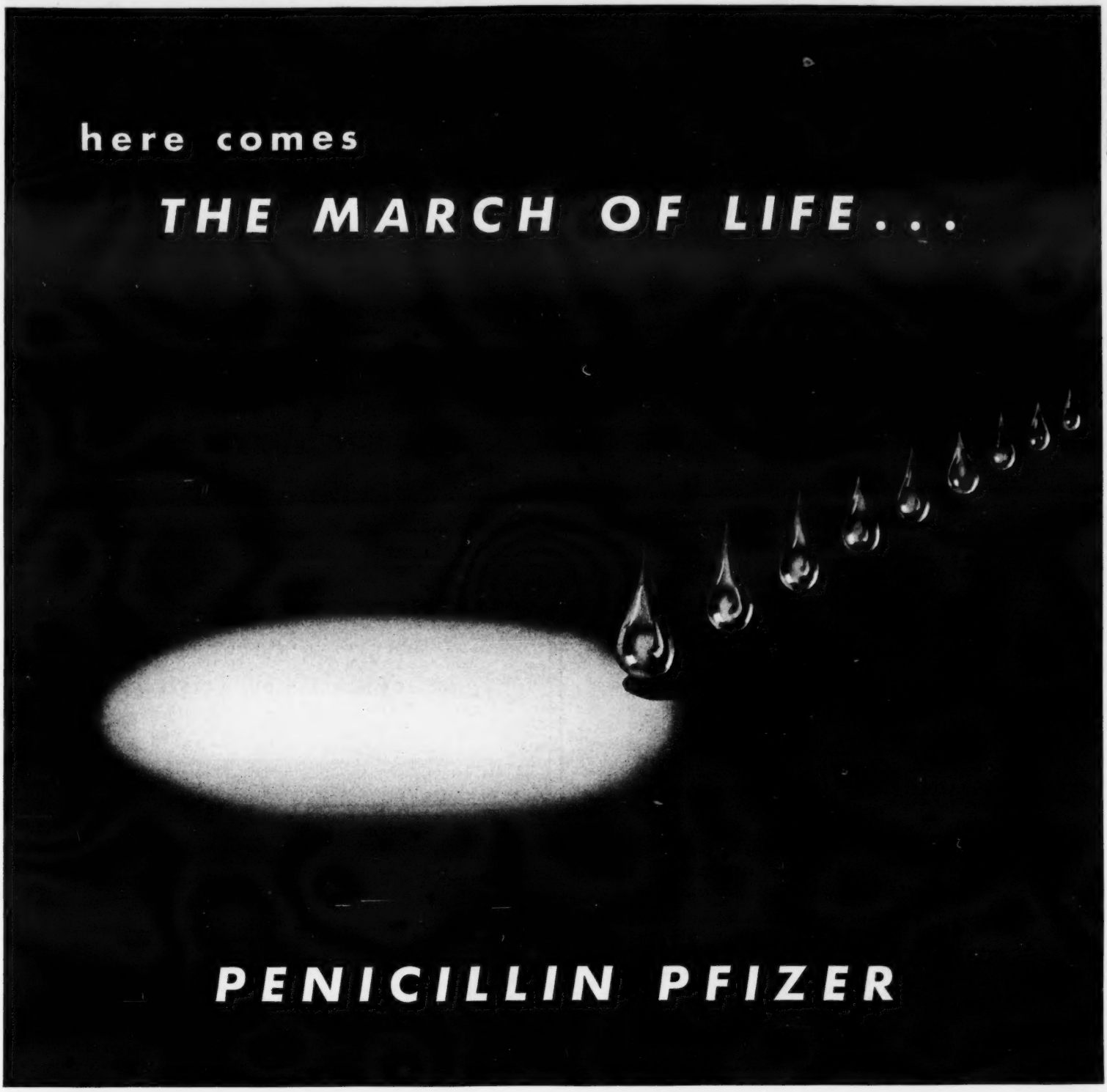
—O-P-D—

Scientific Service

The beneficial service of science to industry gets just praise far and wide. The value of research to business has been established beyond all doubt, even when the term is given its full semantic expansiveness. How science serves and of what the value of research consists are two of the greatest variables of economics. This, quite naturally, results in the viewing of science and its service and of research and its value from innumerable angles. The consequence is an unfortunate lack of harmony among the concepts of those who thus would serve and of those who unquestionably would be benefited by such services.

Science broadly and research particularly have been of great benefit to the healing arts. The therapy and the pharmacy of today are far progressed from those of the preceding century. So, it is the unusualness of the situation which mostly lends interest to the disclosure through civil litigation that one of the country's oldest, largest and, at least commercially, most progressive manufacturers of packaged medicine, when faced with the wartime restriction of the use of quinine, took its problem of reformulation to an advertising agency. It is interesting and significant to note that, according to newspaper reports of the case, one of the four major ingredients in the suggested formula was—quinine!

Unusual as this instance of science and research in the drug field may be, it helps one to understand why there has been introduced in the Legislature of the State of New York a bill which would provide for the maintenance in the State University of a State science service, staffed by the State geologist, paleontologist, botanist, and entomologist, together with such other scientists as the regents may employ, this service to be available to all State departments and all residents of the State. Thus doth government step in where private enterprise falls down.



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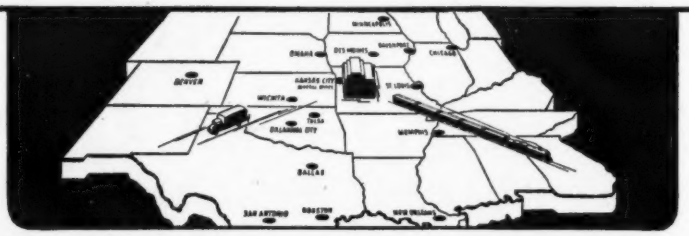

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Heavy Chemicals

Boxcar and tankcar shortages have assumed a paramount influence not only in determining the movement of heavy chemicals but also in regulating production. These complications have grown steadily worse during the past week and already there have been instances of a cutback in output as a result of the piling up of supplies at producing plants. Unless relief is prompt, there are possibilities that current complications will temporarily undermine the chemical output of the country. In some authoritive producing quarters, it was admitted that no similar situation had ever confronted the industry. The increase in first hand inventories does not suggest an increase in supplies. Stocks on hand are scheduled for shipment against consuming contracts and not an easement in the general supply situation. Under current conditions it has been difficult to determine the actual extent of demand. Surface reports were that it had not declined. Concerted efforts are being made to relieve the transportation problem. How much and when will temporarily remain key influences in the distribution and output of heavy chemicals.

Export inquiry was reported active with actual business restricted on account of low inventories and the difficulty in securing lighter service and steamer space.

Paper production as a percentage of six-day capacity was 89.7 in the week ended Feb. 24, according to the American Paper and Pulp Association. This compares with 87.7 in the previous week and 91.0 percent a year ago.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

General Chemicals

Last week.	Prev. week.	Last month.	Last year.
169.0	169.0	169.0	170.6

Acids

Last week.	Prev. week.	Last month.	Last year.
116.0	116.0	116.0	116.0

Ammonia Perchlorate — Practically all this material produced has been taken for military requirements. There were no stocks available for civilian use.

Bleaching Powder—This material has been removed from the allocation list by WPB. The order became effective February 27 and was not surprising to the trade. Production of this chemical has increased through the construction of new facilities and is now sufficient to meet demand without difficulty. High test calcium hypochlorite has been transferred from order M-19-a to schedule 93 of order M-300. Details will be found elsewhere in this issue.

Calcium Chloride—Shortage of manpower and transportation difficulties have prevented much progress from being made against delayed deliveries. Under normal conditions, passing of the Winter season should allow producers to restore equilibrium to the market situation, temporarily at least.

Chlorine — Tankcar shortage has complicated the distribution of this material. Producers have experienced unusual delays in getting their empties back to plants for reloading. There was no easement in the extent of consuming demand.

Copper Carbonate — Available supply short. Reported that most all production is channeled for government use in mildewing cloth.

Defluorinated Phosphate—Some expansion in demand has taken place for this material. Weather conditions have prompted more buying interest from the feed trade, who mix about 2 percent of this phosphate with their feeding mixtures. Possibly the tighter position of bone meal may have also stimulated interest from feeders. The supply position has continued sufficiently favorable to meet requirements promptly.

Fluorspar—While supplies of acid grade fluorspar are adequate at the present time to meet minimum basic essential requirements, it is expected that the demand for it will increase substantially and that supplies of this mineral for non-essential uses will not be available for some time to come, according to a statement by WPB. This type of fluorspar is used in the manufacture of anhydrous hydrofluoric acid, which in turn finds its way to aviation gasoline. As a result of the increases in the aircraft program the demand for fluorspar will increase substantially for this purpose. Furthermore, it was stated that imports of fluorspar from foreign countries, chiefly Mexico and Newfoundland, are made possible only by the use of substantial subsidies, and supplies are available solely for essential war uses. While most imports are of metallurgical fluorspar, this type is being converted into the acid grade.

Glaubers Salt — Chemicals Bureau gave December production at 16,611 tons, compared with 17,037 tons in the preceding month. Stocks at the end of December were 3,203 tons against 2,640 tons at the end of November.

Nickel Sulphate — Supply position reported tight with demand active. Buying interest has shown a tendency to expand since the turn of the year and is ahead of the production limit. Difficulty in securing materials and the shortage of manpower have worked against possibilities of increasing production.

Phosphorus — Military and essential industries had their requests granted in full last month. And leavening was granted 1,597,000 pounds in February by WPB, which was 90 per cent of requests. In January, the allotment for this purpose was cut 20 percent. The supply position was reported tight with military requirements the determining influence in regulating the civilian supply.

Potash Carbonate — February was the first month that this material was allocated by WPB. While essential requirements were granted in full, other industries were given about half of their monthly average consumption for 1944.

Salt Cake—Production of crude commercial in December was placed at 50,879 tons by the Chemicals Bureau. November output was 51,072 tons. Supplies were larger at the end of the month, the total amounted to 84,080 tons, compared with 81,095 tons at the end of November.

Soda Ash—Boxcar shortage has assumed a critical stage in the movement of soda ash. Production has resulted in the piling up of supplies at plants for want of distribution, and in some firsthand quarters it was asserted that the lack of storage facilities has already cutback production in some instances and has threatened output for the industry. Late reports indicate that efforts have been made to relieve the situation, but authorities admitted they had never witnessed any such condition of freight shortage as that current last week.

Soda, Caustic—Reported in a similar situation to that noted in ash. The tankcar shortage remained acute, with transportation in general insufficient to move output from plants, thereby forcing deliveries to fall further behind contract schedules and offering possibilities of a cutback in production unless prompt transportation relief is accorded. Meanwhile, both markets have necessarily tightened their positions, particularly regarding spot or warehouse material.

Soda, Metallic—Scarcity of this material kept the civilian supply exceedingly low during the past month. Requests were approved by WPB for quantities ranging from 35 to 60 percent of essential requirements. There was not enough to share any for use in synthetic perfumes or pharmaceuticals.

Soda Silicate—December production was placed at 40,901 tons by the Chemicals Bureau. November output was 39,387 tons. Stocks at the end of December were 50,677 tons, compared with 44,654 tons at the close of November.

Sulphur Dioxide—Production in December amounted to 6,225 tons, according to the Chemicals Bureau. Output

For Current prices see alphabetical listing beginning on page 9.

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in November was 6,287 tons. Stocks at the close of the year were 2,921 tons, compared with 2,678 tons at the end of November.

Tin—Discovery of two tin-bearing veins in the bedrock at Cape Mountain, in the western part of the Seward Peninsula, Alaska, has considerably enhanced the prospect for the finding of additional reserves in the area, according to a Geological Survey report. This discovery was made in 1944 as a part of the Survey's longrange program for the investigations of tin-bearing deposits in the Seward Peninsula area.

Acids

Adipic—Demand for use in the manufacture of nylon and protective

—Continued on page 41

Draft Deferment

—Continued from page 3

warwork will have to bear the brunt of the call of the military for more men below the age of thirty, considerable importance is attached to this OCR listing. Its importance will be manifest when the regional offices are faced with the question of whether a man engaged in an activity in a particular line of civilian work is more essential than one engaged directly in warwork. For example, it is conceivable that the military would consider the production of dynamite for use in the mining of coal to be more essential to the war effort than would be the production of some plastic attachment for fighter planes.

WPB Chemicals Bureau officials are unable to estimate how many of the keymen in war and essential civilian activities in the chemicals and allied industries will be "saved" from the draft under the certification procedure being established. They speak of protection being provided for only a vital "hard core" of workers under thirty years of age, but are confident that the proportion of workers between twenty-six years and twenty-nine years taken in the draft will not be as great as when men between eighteen years and twenty-five years were being called up for service on a wholesale scale.

Scientific Roster's Role

WPB is one of sixteen agencies that have been given authority to certify men for deferment and is the principal agency which the chemicals industry will have to look to for relief. Although the National Roster of Scientific and Specialized Personnel also has been given authority to issue certification, its jurisdiction is extremely limited. It is authorized to certify deferments only for the Committee on Research and Scientific Personnel.

The procedure being followed by the several government agencies in certifying men for deferment differs slightly among the several agencies, particularly as between the Petroleum Administration for War and WPB and WFA. Employers in the petroleum industry, instead of filing their occupational lists with the field or regional offices, will send these lists directly to Washington for screening. In the case of WPB and WFA—the latter having jurisdiction over certifying deferments of "key" workers engaged in production of fertilizers—these lists are to filed with the district or regional offices by the employers and then are to be forwarded to Washington.

Generally speaking about 30 percent of the men listed by employers as "keymen" can be expected to be certified for deferment. The regional or district offices will go over the list submitted by an employer and reduce the number to what they consider irreplaceable; the list will then be reviewed by the Washington headquarters of WPB or WFA for further screening, either to enlarge the list or reducing it still further. The reason for this is that the headquarters in Washington would have more knowledge of the supply situation surrounding a particular chemical and the need for it by the military than would the regional or district offices, and for that reason would be able to certify a larger or smaller number of men than had been recommended by the regional or district office.

WPB will evaluate the irreplaceability and indispensability of workers only if it is the proper certifying agency and if no duplicate request is made to the army, the navy, the maritime commission, the War Food Administration, or any other agency authorized to handle the deferment certifications of a particular employer.

Certifying Not Divided

No individual plant or establishment may submit applications for deferment to more than one certifying agency. Normally, the agency which handled the certification for deferment for the eighteen-through twenty-five age group, or the agency which sponsors the claims of the plant or establishment before the local Production Urgency Committee or Manpower Priority Committee, will be the certifying agency for that plant or establishment. If certifications are requested of a WPB field office by employers whose production or service seems to fall under the jurisdiction of some other certifying agency, those employers will be advised to submit their deferment applications to the appropriate agency. In the event of uncertainty as to which would be the proper certifying agency for a particular plant or establishment, the question will be resolved among the local representatives of WPB and the other agencies concerned. If agreement cannot be promptly reached, the question will be decided by the chairman of the local Production Urgency Committee.

As a basis for determining which registrants, ages eighteen through twenty-nine, may be certified for occupational deferment, each qualified employer will need to submit the following to the local WPB field offices:—

1. A list, in triplicate, of all men currently in his employ who were on January 1, 1945, in the age group eighteen through twenty-nine, and who were on that date classified as 2A or 2B. [The list should not include those known to be classified as 2A(L), 2A(F), 2B(L), 2B(F), or any other established draft classification. Nor would it include a registrant twenty-nine years of age on January 1 who was in 1A.]

2. The list must be arranged in the order of each man's importance to the effective operation of the plant or establishment, the most essential irreplaceable man coming first, and include:—

(a) Each registrant's name, age, occupation, selective service order number, local board, and present selective service classification.

(b) The following statement:—"It is certified that all men listed above are now in my employ; that they were classified 2A or 2B on January 1, 1945, and were on that date in the age group eighteen through twenty-nine; that such list has been submitted to no other certifying agency." [Signature and title of company official.]

3. Two sets of form 42A (special revised) for each man for whom the employer feels he must obtain deferment.

Indispensability Criterions

Only those employers who submit the required list and form 42A (special-revised) in strict accordance with the above will be eligible to have their employees certified for deferment by WPB field offices.

The field offices of WPB will certify the listed men in accordance with the following criterions:—

1. No man can be certified for deferment unless he is doing work that is indispensable in an activity that is included within the list of WMC list of essential activities.

2. No such indispensable man can be certified for deferment if he can be replaced by a worker doing less essential work within the plant or establishment, or by recruitment from without.

3. Any "indispensable" man shall be considered as replaceable if a recruit or transferee is available and can be qualified to perform his work by three months of intensive training.

4. Men engaged in planning, research, development, or production for postwar purposes, shall not be certified for deferment.

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Soluble in a variety of organic solvents.

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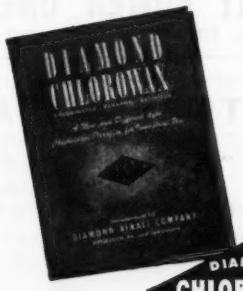
Acids	None
Alkalies (dilute)	None
Moisture	None
Oxidizing agents (room temperature)	None
Heat (about 135°C.)	Begins to evolve HCl
Condensation or Polymerization (room temperature)	None



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ASBESTOS—200 bgs, 20,000 lbs, Refractory Insulation Co
400 bgs, 40,000 lbs, P Carey Mfg Co
400 bgs, 40,000 lbs, Commercial National Bank & Trust Co
BABASSU KERNELS—3,300 bgs, 330,000 lbs, Franklin Baker Co
1,000 bgs, 100,000 lbs, Spencer Kellogg & Sons
18,996 bgs, 1,899,600 lbs, Central Hanover Bank & Trust Co
BRISTLES—100 cs
HOG—11 cs, United States Commercial Co
BUCHU LEAVES—10 bls, J L Hopkins & Co
CARDAMOM—2 cs, 200 lbs, Archibald & Lewis Co
2 cs, 200 lbs, R J Prentiss & Co
40 cs, 4,000 lbs, Volkart Bros
CASEIN—923 bgs, 119,990 lbs
CASHEW KERNELS—2,658 cs, 132,900 lbs, T M Duche & Sons
700 cs, 35,000 lbs, Reliable Nut Co
3,392 cs, 169,600 lbs, Braun Importing Co
80 cs, 4,000 lbs, Wood & Selick
1,340 cs, 67,000 lbs, Bowes & Co
50 cs, 2,500 lbs, National Nut Co
670 cs, 33,500 lbs, Zaloom Co
3,095 cs, 154,750 lbs, W A Higgins & Co
2,274 cs, 113,700 lbs, W A Camp & Co
167 cs, 8,350 lbs, Zenobia Co
172 cs, 8,600 lbs, L Demartini Co
82 cs, 4,100 lbs, Marine Trust Co
54 cs, 2,700 lbs, Zaloom Co
60 cs, 3,000 lbs, Biddle Purchasing Co
107 cs, 5,350 lbs, W A Hertle Co
100 cs, 5,000 lbs, Philadelphia National Bank
450 cs, 22,500 lbs, Sokol & Co
CASTOR BEANS—6,761 bgs, 1,014,150 lbs, Baker Castor Oil Co
5,221 bgs, 783,150 lbs, Spencer Kellogg & Sons
CELERY SEED—6 bgs, 780 lbs, Kachurin Drug Co
6 bgs, 780 lbs, Frank Tea & Spice Co
4 bgs, 520 lbs, Credo Commodities Co
COCOABEANS—92,000 bgs, 18,400,000 lbs, United States Commercial Co
1,567 bgs, 313,400 lbs, Curacao Trading Co
100 bgs, 20,000 lbs, Irving Trust Co
2,846 bgs, 569,200 lbs, General Cocoa Co
7,500 bgs, 1,500,000 lbs, Wessel, Kulenkampf & Co
284 bgs, 56,800 lbs, Porcella, Vicini & Co
4,000 bgs, 800,000 lbs, Nieschlag & Co
4,000 bgs, 800,000 lbs, A C Israel Commodity Co
5,000 bgs, 1,000,000 lbs, Scarburgh & Co
3,000 bgs, 600,000 lbs, Cocoa Trading Co
2,000 bgs, 400,000 lbs, Rockwood & Co
2,000 bgs, 400,000 lbs, Hershey Chocolate Co
5,000 bgs, 1,000,000 lbs, Middleton & Co
COPRA—4,000 bgs
DILLSEED—5 bgs, 650 lbs, W G Scarlett & Co
5 bgs, 650 lbs, Wm M Allison & Co
FLEASEED HUSK—6 bgs, Parke, Davis & Co
59 bgs, T M Duche & Sons
4 bgs, R J Prentiss & Co
GINGER—784 bgs, C T Wilson & Co
200 bgs, Volkart Bros
GLANDS, FROZEN—193 tcs, Biological Raw Products Co
GUM, KARAYA—66 bgs, Wm M Allison & Co
HAIR, PIG—8 cs, Rosenhirsh Co, Inc
ILMENITE SAND—3,136,000 lbs, National Lead Co
KYANITE—439 tons, 18 cwt, C Taylor Son & Co
MAGNESITE—3,608 tons
MANIOC STARCH—4,000 bgs, 580,000 lbs
MARJORAM LEAVES—120 bgs, S B Penick & Co
MENTHOL—36 cs, Vick Chemical Co
195 cs, McKesson & Robbins
MICA, BLOCK—10 cs, United States Commercial Co
SPLITTINGS—50 cs, United States Commercial Co
MYROBALANS—925 bgs
NIGER SEED—11 bgs, 1,430 lbs, Corn Exchange Bank & Trust Co
8 bgs, 1,040 lbs, W G Scarlett & Co
6 bgs, 780 lbs, Levy & Levis Co
OIL, CHAULMOOGRA—200 cs, Magnus, Mabee & Reynard
CITRONELLA—2 dms, Ungerer & Co
2 dms, Dodge & Olcott Co
1 dm, Anglo-American & Colonial Co
LEMONGRASS—8 dms, Geo Lueders & Co
5 dms, Magnus, Mabee & Reynard
19 dms, Van Ameringen, Haebler
24 dms, Givaudan Delawanna
32 dms, Norda Essential Oil & Chemical Co
2 dms, Maywood Chemical Works
1 dm, Polack Frutal Works
1 dm, P R Dreyer
9 dms, United States Rubber Co
18 dms, E I du Pont de Nemours & Co
6 dms, W J Bush & Co
60 cyls, Volkart Bros
OIL, LIME—40 cs, Barclay Bank
OITICICA—244 dms, Pacific Vegetable Oil Co
ORIGANO LEAVES—384 bgs, Joensson & Cross
192 bgs, C T Wilson & Co
PAPAIN—80 cs, American Ferment Co
PEPPER, RED—100 bgs, Ludwig Mueller Co
PHOSPHATE ROCK—1,016 tons, United States Commercial Co
POPPY SEED—2 bgs, 200 lbs, Guaranty Trust Co
2 bgs, 260 lbs, Credo Commodities Co
3 bgs, 390 lbs, Wager Bros Feed Co
PYRETHRUM FLOWERS—1,200 bls, United States Commercial Co
RHATANY ROOT—257 bgs, W R Grace & Co
RHUBARB—3 bgs, H Weber & Co
5 bgs, Kachurin Drug Co
SANDALWOOD—5 bgs, Dodge & Olcott Co
5 bgs, Geo Lueders & Co
SHELLAC—100 bgs, Wm Zinsser & Co
SEEDLAC—434 bgs
SOAP BARK—261 bgs, S B Penick & Co
TEAWASTE—1,075 bgs
TURMERIC FINGERS—40 bgs, Archibald & Lewis Co
60 bgs, L E Ranson Co
VALERIAN ROOT—4 bgs, Kachurin Drug Co
WAX, BEES—97 bgs, Geck Trading Co
30 bgs, Curacao Trading Co
20 bgs, Machado & Co
145 seroons, J Marichal
40 bgs, Royal Bank of Canada
CARNAUBA—905 bgs, Strohmeyer & Arpe Co
1,076 bgs, R T French Co
824 bgs, Wessel, Duval & Co
202 bgs, McArthur Chemical Co
549 bgs, Smith & Nichols
574 bgs, W R Grace & Co
125 bgs, Credo Commodity Co
426 bgs, Wm M Allison & Co
127 bgs, Enco Chemical Co
39 bgs, Balfour, Guthrie & Co
450 bgs, Wm Diehl & Co
228 bgs, Cornelius Product Co
14 bgs, Tranship, Inc
1,589 bgs, S C Johnson & Son
175 bgs, Innis, Speiden & Co
2,588 bgs, American Cyanamid & Chemical Co
56 bgs
OURICURY—165 bgs, Distributing & Trading Co
110 bgs, Baird Rubber & Trading Co
56 bgs, Strohmeyer & Arpe Co
56 bgs, Wm Diehl & Co
56 bgs, Wm M Allison & Co

Continental Carbon Contract With DPC Increased

Continental Carbon Company, New York, has increased its contract with the Defense Plant Corporation, to provide additional plant facilities at Sunray, Texas, at a cost of approximately $600,000, resulting in an overall commitment of approximately $1,800,000. Continental Carbon will operate these facilities, title remaining in Defense Plant Corporation.

Vanadium Corp. Names Chandler Vice-President

Henry T. Chandler, formerly assistant to the president, has been elected vice-president of Vanadium Corporation of America, New York. Benton H. Grant has been appointed an assistant vice-president.

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QUATERNARY AMMONIUM SALTS
"CETAB"—Cetyl tri methyl ammon. bromide
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Other quaternary salts can be supplied
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FLAKE and SOLID
SODIUM SULFIDE
60-62%
BARIUM CHEMICALS
Manufactured by
CHEMICAL PRODUCTS CORPORATION
CARTERSVILLE, GA.

Heavy Chemicals

—Continued from page 39

coatings continued active. Other consumers have received from 25 to 50 percent of their requests.

Hydrofluoric—Production was sufficient to cover essential requirements in full. Demand for use in the manufacture of high octane gasoline and freon continued exceedingly active for the anhydrous grade.

Hydrofluosilicic — Supply reported comfortable to meet current extent of demand. Some buying interest reported from breweries.

Lactic — Requirements have been fully covered for the different varieties. Market showed a well balanced condition under WPB regulation.

Naphthenic—Military requirements have taken a lot of production which has cutback the civilian supply. High pressure lubricants have been getting a fair share of output. Allotments for fungicides and civilian driers have been cutback severely.

Sulphuric — Allocation adjustments for the distribution of this acid were made necessary during the past month on account of loss of production from plant failures WPB reported. Large increases in highly essential uses have cutback deliveries for several end uses and left shortages of low strength terial.

U.S.I. Names Dr. Prebluda Special Products Sales Head

Dr. Harry J. Prebluda has been designated manager of special products sales by U. S. Industrial Chemicals, Inc. Robert K. Rigger, formerly with the company's technical development laboratory, will be his assistant.

BENZALDEHYDE
N. F. (F.F.C.) & Technical Grades
BENZYL CHLORIDE
BENZAL CHLORIDE
BENZOIC ACID
BENZO TRICHLORIDE
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SO_2 / CH_3Cl by ANSUL
LIQUID Sulfur Dioxide by ANSUL
IMMEDIATELY AVAILABLE
REG. U.S. PAT. OFF.
LIQUID Methyl Chloride by ANSUL
These Insignia stand for . . .
QUALITY
ECONOMY
DEPENDABILITY
ANSUL CHEMICAL COMPANY
MARINETTE, WISCONSIN
Eastern Office: Paoli, Pa.

Continental Can Names Thelen, DuCharme to Posts

H. P. Thelen, formerly manager of the steel container division of the Owens-Illinois Can Company—recently acquired by Continental Can

G. E. DuCharme

H. P. Thelen

Company, has been appointed manager of steel container sales, Continental Can Company. Mr. Thelen will continue to make his headquarters in the Chrysler building, New York, and report to W. P. Murray, general manager of general line sales. G. E. DuCharme, formerly sales manager of the New York district, has been appointed manager of paint and chemical containers sales. Mr. DuCharme has been with Continental since 1928. J. F. Adams, formerly national accounts manager of the Owens-Illinois Can Company—recently acquired by Continental Can Company, has been appointed manager of automotive containers sales.

Breth, Schindler Elected Sonneborn Vice-Presidents

Dr. F. W. Breth and Gustave Schindler have been elected vice-presidents of L. Sonneborn Sons, Inc.,

Dr. F. W. Breth

Gustave Schindler

oil refiners and manufacturers, New York.

Dr. Breth, who will serve as vice-president in charge of manufacturing, joined L. Sonneborn Sons, Inc., in 1915 as chief chemist, and was later named technical director, a post he has held for many years.

Mr. Schindler started his business career in 1928. More recently, Mr. Schindler has served as president of Petroleum Specialties, Inc., New York, which he founded in 1939. This firm has been instrumental in the market development of various petroleum derivatives originating with several United States refiners, including L. Sonneborn Sons, Inc. Mr. Schindler will continue as president of Petroleum Specialties, Inc.

Durakote Paint Sales Policy Hit by F.T.C.

The Federal Trade Commission has issued an order directing Durakote Paint Corporation, New York, and its officers, individually and as officers of the corporation, to cease and desist from certain misrepresentations in connection with the interstate sale of paint sold under the brand name "Durakote." Among these is the representation that Durakote Paint Corporation is a manufacturer of paints, enamels or allied specialties when the activities of the corporation are confined to those of a sales organization engaged in the sale and distribution of paint and paint products manufactured by others.

Fertilizer by Government

—Continued from page 3

conserve those of the South. Senator Hill inserted the letter in the Congressional Record February 26, together with a memorandum issued by the farmers' union November 10, 1944, (*OPD* Nov. 13), in which it was proposed that the government-owned nitrogen plants be continued in operation in the postwar period to provide a "yardstick" for reducing fertilizer costs to farmers and expanding fertilizer production.

A day of two after the NFU letter got to Washington, reports came in from Chicago that the directions of the American Farm Bureau Federation had authorized the federation's executives to have introduced in Congress legislation empowering the Federal government to set up plants for producing potash, nitrogen, and phosphate fertilizers.

"A VERSATILE CHEMICAL"
These Uses Are Being Rediscovered—
SO_2 (LIQUID)
• Solvent Extraction
• Organic Reactions
• Reaction Medium
• Controlled Atmospheres
EASY —to handle —to store —to recover
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CYLINDERS TANK CARS
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WEST NORFOLK, VIRGINIA

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Granular 60% and Anhydrous
E.M. SERGEANT PULP and CHEMICALCO., Inc.
EMPIRE STATE BUILDING Established 1867 NEW YORK 1, N. Y.

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ELECTRO-CHEMICAL
COMPANY
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PHOSPHORUS
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PRODUCTION problems connected with Phosphorus Trichloride parallel very closely those of Phosphorus Oxychloride. Here again experience and continuous technical improvements enable us to produce a material remarkably free from impurities.
Shipping containers are returnable drums and tank cars.
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Plant and Main Office:
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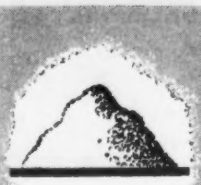
22 EAST 40TH ST., NEW YORK 16, N.Y.

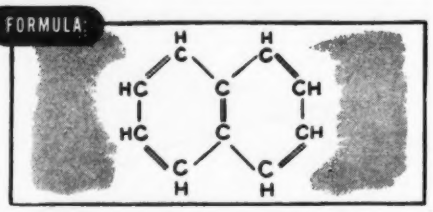
NAPHTHALENE

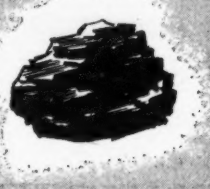


DEFINITION: A crystalline chemical compound of carbon and hydrogen found abundantly in coal-tar. It was early termed "tar camphor."

HISTORY: Naphthalene was discovered in coal-tar by Garden and Brande in 1819 and its chemical constitution determined by Michael Faraday in 1826. It was proposed for enriching water gas in 1862. Use for manufacture of naphthols for the synthetic dye industry commenced about 1873.

FORMULA:





SOURCES: Traces of naphthalene occur in certain vegetable products. Some naphthalene has been recovered from specially processed petroleum fractions, but the principal source of naphthalene has always been coal-tar.

CHARACTERISTICS: Pure naphthalene is produced as white crystal flakes or chips which melt at 79.4° C or above. It boils at 218° C. It vaporizes slowly at room temperature. It has a clean penetrating odor; is soluble in benzene, hot alcohol and ether, but is practically insoluble in water. It burns with a smoky flame.

USES: Serves as a moth preventive and insecticide for household, institutional and agricultural use; as a raw material for phthalic anhydride, dyes, waxes, tanning agents, pharmaceuticals and plasticizers.

GRADES: Industrial: 74° and 78° crude in tank cars and barrels: 79.4° refined in tank cars and as chipped, crushed or flake in barrels and multi-walled bags. Household: flake and ball in 16-, 12-, 10-, 8-ounce packages; flake and ball, powdered or rice form, in barrels, bags and 50-pound bulk cases.

NOTE: Deliveries today are restricted by the primary requirements of naphthalene for war uses.

This is one of a series of advertisements presenting information on basic coal-tar chemicals.

Awarded to the men and women of the Barrett Frankford Chemicals plant for excellence in the production of war materials.

THE BARRETT DIVISION
ALLIED CHEMICAL & DYE CORPORATION
40 Rector Street, New York 6, N. Y.
The Barrett Company, Ltd., 5551 St. Hubert Street, Montreal, Que.

Coaltar Chemicals

Increasing military demands have continued to pinch the civilian supply of basic coaltar chemicals. Better weather conditions opened the way to recovery in production but distribution suffered serious interruption from insufficient transportation facilities. While this condition was expected to be of temporary existence, it complicated the restoration of output and delivery which had been disturbed by the recent icepack. The call for benzol and naphthalene was exceedingly active and there was no suggestion of less pressure for either toluol or xylol. In fact there was not an easy spot revealed in the entire situation for basic coaltar chemicals.

Intermediates and dyestuffs reflected the stringency in the basic products. A survey of these markets gave the impression of a tendency to eliminate less urgent deliveries and speed up vital requirements. Anilin requests remained cut for other than government necessities. Pyridin was out so far as disinfectants and dyestuffs were concerned but sulfa drug requests were about half covered. An appreciable increase was noted in the demand for resorcinol. Production of maleic anhydride and phthalic anhydride remained insufficient to meet the synthetic resin demands.

Production of ammonia liquor for 1944 was officially placed at 63,329,677 gallons, compared with 68,211,524 gallons in 1943.

Production of crude coal tar and ammonia, in 1944 followed the pattern of coke production and reached levels never attained before and gains of 4 and 5 percent, respectively, over 1943 were recorded. Although production of the primary byproducts has substantially increased since 1940, the average yield of some byproducts per ton of coal carbonized has declined because of increased oven temperatures and shorter coking periods. For example, crude tar and ammonia production in 1943 fell short of the 1942 figures although more coal was carbonized in that year.

Steel operations for the week beginning February 26 were scheduled at 94.6 percent of ingot capacity, compared with 96.4 percent for the preceding week, according to the American Iron and Steel Institute. A month ago the indicated rate was 88.7 percent. The current schedule is equivalent to the production of 1,732,700 net tons of ingots and castings, compared with 1,765,700 tons for the previous week and 1,746,000 tons for the corresponding week in 1944.

Basic Products

Benzol—Aside for use in the manufacture of rubber-making chemicals, approved allocations were generally smaller for the past month than in January. The largest allocation was channeled for use in chlorobenzene, where 88 percent of requests were granted amounting to 564,571 gallons, against 89 percent in January. Shortage of tankcars has delayed shipments and caused some congestion at plants. Heavy demand for military use has kept the market in a definitely tight position.

Coaltar—Movement was reported following regular lines. Essential specific requirements have been given priority while some distribution for fuel purposes was permitted under order M-297. Production of crude coaltar for 1944 was officially placed at 767,893,716 gallons, against 736,166,968 gallons in 1943.

Creosote Oil—Production reported in steady demand for civilian and government requirements. Tankcar shortage has caused some delay in deliveries and inconvenienced storage facilities at plants.

Cresylic Acid and Cresols—Demand for manufacture of tricresyl phosphate continued active and a lot of material was approved for use in that direction. There was also a good demand from manufacturers of insecticides, plastics and preservatives. The markets showed no disposition to relax from their tight conditions.

Naphthalene—Total grant for use in dyes and intermediates in February amounted to 723,000 pounds, compared with 1,015,000 pounds in January. Demand in general was far enough ahead of production to hold the market in an exceedingly tight position.

Phenol—Plastics received less phenol last month. Requests were cutback to 76 percent compared with 80 percent in January. Dyes and inks were cut from 75 percent in January to 44 percent or to 131,000 pounds. The allotment for chemicals was up 5 percent to 403,000 pounds, while disinfectants and insecticides were up 13 percent to 212,000 pounds. The market position remained firm and tight.

Toluol—Solvent allocations last month were cut 20 percent from January leaving the total at 18,739 gallons. Protective coatings were granted 39 percent in February against 41 percent in January. Dyes and intermediates were up 6 percent last month for a total of 101,739 gallons. Heavy withdrawals for military use were the potent influence regulating the civilian supply.

Xylol—Protective coatings were granted 1,313,045 gallons or 80 percent of requests last month against 83 percent in January. Blends received 66 percent or 877,100 gallons, compared with 89 percent in January. Adhesives and cement were cutback to 76 percent, against 96 percent in January. No improvement in supply position with shipments delayed through tankcar shortage.

Chicago, March 2.—Trade in coaltar bases was quiet and steady in volume. Buyers appeared willing and anxious to take all the material currently available. Material has been moving in fairly good volume. Benzol was in good call. Ruling prices exclusive of tax were:—Benzol, pure, in tankcars, freight allowed up to 2c. per gallon, 15c. per gallon; 10-degree xylol, same basis, 30c.; industrial xylol, same basis, 27c.; 2-degree toluol, same basis, 28c.; solvent naphtha, same basis, 27c.; creosote oil, grade 1, 15½c.

Hydrogenated Solvents

Position reported appreciably tighter than noted at the beginning of the previous month with cyclohexanone and the other "ones" commanding the most attention. The movement was reported principally for specific re-

Market Trends

Prices Advanced
None

Prices Reduced
None

Comparative Price Indexes
(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
129.2	129.2	129.2	129.2

Coaltar, Ammonia Sulphate Output: 1944

Production of crude coaltar, ammonia, and coke-oven gas in 1944 followed the pattern of coke production and reached levels never attained before and gains of 4, 5, and 5 percent, respectively, over 1943 were recorded, according to the Bureau of Mines. Although production of the primary byproducts has substantially increased since 1940, the average yield of some byproducts per ton of coal carbonized has declined because of increased oven temperatures and shorter coking periods. For example, crude tar and ammonia production in 1943 fell short of the 1942 figures although more coal was carbonized in that year. Although publication of data on crude light oil for 1944 is withheld in accordance with government wartime censorship regulations, the output of crude light oil in 1943 was 16 percent higher than in 1940.

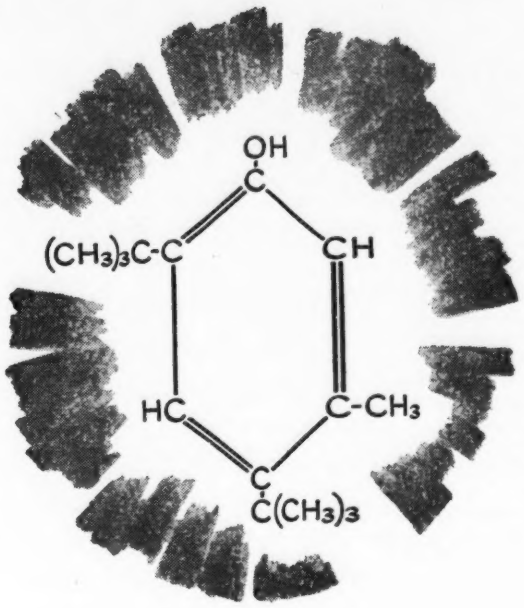
Year	Crude tar (gallons)	Ammonia (pounds) Sulphate	Ammonia (pounds) Liquor (NH_3 content)	Crude light oil (gallons)	Gas (M cub. ft.)
1940	673,286,517	1,436,462,003	56,938,798	215,213,667	833,761,720
1941	704,149,468	1,490,395,760	62,777,031	231,358,897	892,819,811
1942	740,175,619	1,533,608,185	67,854,384	246,024,882	944,879,637
1943	738,166,968	1,522,539,911	68,211,524	250,511,095	960,454,518
1944*	767,893,716	1,629,511,372	63,329,677	†	1,011,000,000

* Preliminary. † Data withheld in accordance with government wartime regulations.

For Current prices see alphabetical listing beginning on page 9.

KOPPERS D. B. M.

4, 6-Di-tertiary-BUTYL-m-CRESOL



Properties: (*Pure Compound*)

Molecular Weight	220
Melting Point	62.5°C.
Boiling Point:	
At 100 mm. (approximate)	171°C.
Atmospheric (approximate)	285°C.
Specific Gravity at 50/50°F	0.920

State: Light-colored semi-solid, crystalline, mild odor.

Solubility: Practically insoluble in water. Easily soluble in alcohol, benzene, gasoline and carbon tetrachloride. Insoluble in caustic alkali solutions.

Uses: In compounding certain types of synthetic rubber, as a softener and plasticizing agent, and to improve tack. In the manufacture of resins, particularly because of its oil-solubility. It has been suggested for use as an anti-skinning agent for paints and varnishes.

Koppers will be glad to submit samples and prices on this and other coal derivatives, including tar bases, naphthalene, industrial pitches and creosote. —Koppers Company, Inc., Tar and Chemical Division, Pittsburgh, Pa.

KOPPERS

THE INDUSTRY THAT SERVES ALL INDUSTRY

Coke By-Products

Estimates of by-product coke-oven operations in the week ended Feb. 24 indicate the following output of by-products from that source:—

Ammonia liquor NH_3	lbs.	1,158,670
Ammonia sulphate	lbs.	30,003,464
Benzol	gals.	3,780,924
Coaltar	gals.	14,026,010
Creosote oil	gals.	780,578
Naphthalene	lbs.	1,853,873
Phenol	lbs.	219,538
Toluol	gals.	756,185
Xylol	gals.	170,751

quirements for the government. Production has moved out as rapidly as transportation and manpower facilities would permit.

Coaltar Acids

Betaoxynaphthoic—Limited production reported with available supply limited and without suggestion of nearby improvement. Stringency in basic material and manpower affecting output.

Broenner's—Very little material available at present. Regular consumers taking output about as rapidly as made, thereby preventing any surplus inventories.

Gamma—Channeled into the manufacture of dyes and intermediates without permitting any visible increase in inventories. Market reported firm at former price levels.

Laurent's—Reported tight under restricted production. Essential requirements about the best that can be covered at present.

Maleic — Heavy miscellaneous inquiry reached this market with not enough material to meet requirements. Phenolic, phthalic and maleic resins were well represented in the current movement.

Salicylic, Technical—Makers of salicylates were granted 84 percent of their requests for phenol in February against 85 percent in January. Essential requirements for salicylic acid were covered and that was about all.

Other Intermediates

Anilin — Dyes and pigments for other than military were granted 60 percent of requests last month against 65 percent in January. Other allocations ranged from 31 to 100 percent of requests. The supply position remained distinctly tight.

Catechol—Demand has been satisfied promptly from an adequate supply position. Prices remained unchanged.

Phthalic Anhydride — Heavy military demand for this material has greatly reduced the supply available for civilian use and only the most essential wants can be covered. No interim reserve stock was allocated last month, owing to a critical shortage brought about by weather conditions in the northeastern areas.

Resorcinol—Consuming demand has shown steady improvement over the past month. Demand has taxed production and shipments have experienced some delays, but manufacturers seemed to have the situation well in hand.

Coaltar Colors

Military wants combined with government requirements have continued to feature the market for coaltar colors. Large contracts are expected to be placed in fabrics for ordnance that require the usual drab shades. This government demand has kept the civilian supply definitely low. The printing ink industry has been advised by WPB that increasing military demands for phthalic anhydride has affected the production of phloxine toners and rhodamines, and it was suggested that engravers take steps to use lithol reds for proofing in the manufacture of color process printing plates. Organic pigments based on benzol and toluol have continued in exceedingly tight supply.

Gas Technology Adds Fisher, Katz to Staff

The Institute of Gas Technology, has added to its technical staff Morris Fisher and Dr. Sidney Katz. Mr. Fisher has been assigned to work on an improved method of producing carbon black. Dr. Katz will work in the field of gas chemistry, particularly in the physical chemistry of fundamental gasification reactions. His first assignment is a special project for the National Research council.

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Protective Coatings Materials

With a veritable flood of new war production orders filling their books and keeping their plants humming with activity, American manufacturers of protective coatings have little cause for feeling aggrieved over the additional restrictions imposed upon numerous raw and processed materials entering into the composition of their finished paints, varnishes and lacquers designed for civilian enduses, as these new limitations placed upon the employment of these materials for non-military purposes do not apply to those required in the filling of war contracts. And there is enough war production business on hand and in the offing to assure the reaching of new sales peaks exceeding even those attained in the banner year 1944, as long as the global war continues.

Meanwhile, however, the volume of civilian business in protective coatings materials is bound to be further held down by the new government conservation regulations, designed for the building up of government-owned stockpiles and for the assurance of plenitudes of supplies for meeting all the requirements of intensified warfare.

Latest additions to the list of drastic limitations on civilian usage of paint, varnish and lacquer materials have taken the form of complete allocation control of slab zinc, effective April 1, duplicating the restrictions previously imposed on pig lead; government priority ratings regulations on gum and wood rosin, whereby allocations of these rosins to protective coatings makers have been cut by 70 percent and those to soapmakers by 75 percent; also drastic government supervision over the processing and deliveries of Congo copal gum and additional restrictions on civilian use of synthetic resins and other basic plastic chemicals.

Metallic Lead and Zinc

Despite a slight amplification of domestic production of metallic lead since the outset of this year, the supply of pig lead available for the nonmilitary paint pigments and other civilian industries continues so light as to warrant a continuance of the drastic allocation control to which this metal has been subjected for the last ten weeks, as this gain in the domestic output has been partially offset by a further diminution of imports from Mexico and Canada while stocks are still being heavily drawn upon by the steadily increasing war requirements. Prices for pig lead have continued unchanged for the week February 23-March 2 at 6.35c. per pound in St. Louis and 6.50c. in New York.

As expected, in view of preliminary pronouncements by WPB on the intensified war-created necessity for curtailment of non-military uses of metallic zinc on and after April 1, that government bureau has announced within the past week an amendment to its conservation order M-11, effective on that date, whereby slab zinc has been placed under allocation controls similar to those in operation from June 1, 1942, to September 15, 1944.

By the terms of this amended regulation, all zinc obtainable from producers is to be allocated by WPB's Tin-Lead-Zinc Division through a review of applications submitted on WPB Form 2893. Applications should be filed before March 12 for shipments to be made prior to April 30. Exporters are included under this regulation on the same basis as domestic consumers

Quotations for slab zinc have remained unaltered for the week February 23-March 2 at 8.25c. per pound in East St. Louis and 8.66c. in New York.

Pigments

White Lead—With war orders continuing to make heavy inroads on the quantities available for WPB allotments of this lead pigment for both military and civilian accounts, producers and other suppliers are facing a herculean task in endeavoring to fill non-military orders. In most instances they are accepting these orders on the understanding that they may never be able to fill same.

Zinc Oxide—Confronted by additional difficulties in procuring zinc slabs for the making of zinc oxide under the new allocation control regulation and in filling orders in leaded grades for non-military accounts under the terms of amended order M-11-a, granting priority ratings to all government uses and denying preferred ratings on civilian usage, the manufacturers of these leaded grades are finding themselves hamstrung in their endeavors to meet the swelling flood of civilian business. This further tightening of the supply situation in leaded grades is more than matched by that prevailing in the leadfree grades which continue under complete allocation control.

Fillers and Extenders

Asbestos—A steady movement into consuming channels is noted in Canadian and domestic materials. An arrival of 1,000 additional bags is noted.

Mica—Processors of the wetground grades of scrap mica are eagerly awaiting action by OPA on their application for higher price ceilings for their products, which, they contend, are amply warranted by the greatly increased cost of production. It is now expected that some announcement will be made on this subject this coming week. Meanwhile, the demand for these grades of scrap mica as well as for the dry-ground grades continues fairly brisk, especially from the paint trade. In the field of strategic mica, arrivals of 64 cases of block and 550 cases of splittings have been noted.

Dry and Chemical Colors

Carbon Black—The War Production Board has recently advised the printing ink trade that, despite the prospect for consumption of most of the carbon black produced by the synthetic rubber program, it can still hold out the hope that the small amount necessary for printing ink use can, nevertheless, be made available to that industry.

Chrome Colors—WPB has advised the printing ink industry advisory committee that it may be necessary for consumers voluntarily to reduce their inventories of chrome pigments and for producers temporarily to suspend quota deliveries of these colors, so as to permit of the satisfying of the requirements of users designated in conservation order M-370 as exempt from its provisions. In a brief summary of conditions in the supply situation for these colors, WPB has repeated its opinion that there is no increase in civilian quotas of chrome pigments in sight at present.

Driers and Flatteners

Tallates—A keen and constantly swelling demand is noted for all the metallic tallates, as the ranks of eager buyers are swelled by paint and varnish makers hitherto showing a strong preference for naphthenates but whose applications for authorization to purchase those driers have been denied by WPB, forcing them to have recourse to the tallates. The undertone of the market is stiffening with the increasing strength shown in tall oil.

Stearates—Congestions and slowdowns in the movement of the basic materials for these flattening agents are making it increasingly difficult for their manufacturers to make reasonably prompt deliveries on the flood

Market Trends

Prices Advanced

Methyl abietate, 0.28c. per lb.

Prices Reduced

Butyl acetate, norm., ferment., Ill., Ind. prod., 0.4c. per lb.
Butyl alcohol, norm., ferment., Ill., Ind. prod., ½c. per lb.
Dibutyl sebacate, ½c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
140.2	140.2	140.2	140.2

For Current prices see alphabetical listing beginning on page 9.

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Stocks at
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- CHICAGO
- ST. LOUIS
- PHILADELPHIA
- DALLAS
- BOSTON
- SHAWNEE, OKLA.
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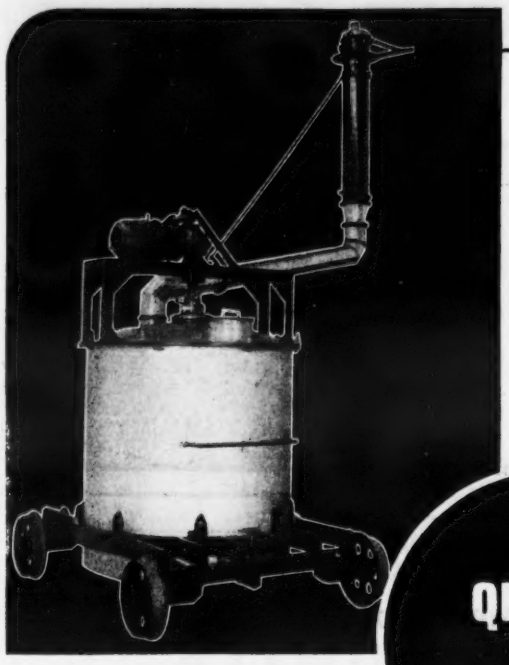

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of orders for them with which they are still being inundated.

Naval Stores

Following closely upon the issuance of a gum rosin distribution regulation, affording priorities in the filling of orders to government agencies, the War Production Board, recognizing the present and prospective shortages of gum rosin, has put forth a new and drastic conservation order cutting down the allowable use of both gum and wood rosin in the processing and manufacture of specified products to the extent of 15 percent to 75 percent from their quarterly use in these industries last year.

This new limitation order on gum and wood rosin—M-387—whose provisions are published elsewhere in this issue of OPD, has been necessitated by recent exhaustion of inventories of gum rosin hitherto held by the Commodity Credit Corporation, the prospect for an almost complete extinction of all stocks now on hand before the gathering of the new naval stores crop and by the general expectation that the new crop will be the smallest ever recorded. It has established specific percentage quotas on the quarterly use of these rosins based on the corresponding quarters of 1944, and is made retroactive, with one month's allocations for the unexpired portion of the current quarter.

The pressing needs of the naval stores industries for a larger allotment of labor by the War Manpower Commission and Selective Service authorities were presented at a meeting, held, on the call of the War Production Board, in Atlanta, Ga., March 3, and attended by naval stores producers as well as by regional and local manpower and selective service representatives.

Rosin—Aside from the issuance of the new and drastic conservation order covering both gum and wood rosins, there were no important developments in the market for gum rosin within the past week. Offerings and sales on the Savannah Naval Stores Exchange at the official market price ceilings were near a standstill and the only parcels moving were those privately offered from interior points at the individual high prices of the January-June, 1944, period. The trade is still awaiting the fixing by the Office of Price Administration of a uniform price schedule covering offerings at any and all points.

Savannah, March 2.—Following is a record of the market for the week:—

	Bulk gallons		Barrels		
	Cents.	Sales.	Receipts.	Shipments.	On hand.
Monday ...	81	350	...	184	21,404
Tuesday ..	81	...	10	269	21,235
Wednesday	81	650	13	1	21,244
Thursday .	81	...	...	252	20,992
Friday	81	100	...	...	20,992

Lacquer Materials

Butyl Acetate—Notwithstanding the recent allowable markup in the price of all No. 1 corn, authorized as of February 26 by OPA, the average cost of corn for last month has proved sufficiently lower than that hitherto prevailing to warrant a further reduction in prices asked for butyl acetate of normal fermentation produced in Illinois and Indiana to the extent of four-tenths of a cent per pound, making revised quotations for this type produced in the above-mentioned territory 16.9 cents in tankcars, 17.9 cents for carload lots in drums and 18.4 cents for less than carlots in drums at the works.

Savannah, March 2.—Following is a record of the market for the week:—

	Price per unit—Low of range quoted				
	Mon.	Tues.	Wed.	Thurs.	Fri.
B	$5.05	$5.05	$5.05	$5.05	$5.05
D	5.12	5.12	5.12	5.12	5.12
E	5.65	5.65	5.65	5.65	5.65
F	5.75	5.75	5.75	5.75	5.75
G	5.79	5.79	5.79	5.79	5.79
H	5.81	5.81	5.81	5.81	5.81
I	5.81	5.81	5.81	5.81	5.81
K	5.85	5.85	5.85	5.85	5.85
M	5.87	5.87	5.87	5.87	5.87
N	6.03	6.03	6.03	6.03	6.03
WG	6.28	6.28	6.28	6.28	6.28
WW	6.55	6.55	6.55	6.55	6.55
X	6.55	6.55	6.55	6.55	6.55
	Drums				
Sales	...	...	29	...	29
Receipts ...	...	19	30	...	29
Shipments .	184	279	375	328	452
Stocks	6,347	6,078	5,742	5,414	4,991

Turpentine—Some additional withdrawals from CCC stocks have been recorded within the past week at 79½c. per gallon while a few meager lots of new spirits have changed hands on the exchange at 81c.

Butyl Alcohol—In conformity with its reduced production cost, the leading manufacturer of butyl alcohol of normal fermentation produced in Illinois and Indiana has lowered prices for the March schedule by a half cent per pound, making the revised quotations 17.3 cents in tankcars, 17.8 cents in tankwagons, 18.3 cents for carload lots in drums and 18.8 cents for less than carlots in drums at the works. There has been no change in prices for production in other territories.

Dibutyl Sebacate—Another reduction in prices of this material, this time amounting to a half cent per pound, has been announced by its leading manufacturer, making the revised quotations 49½ cents in tankcars, 50½ cents for carload lots in drums, and 51 cents for less than carlots in drums at the works.

Synthetic Resins

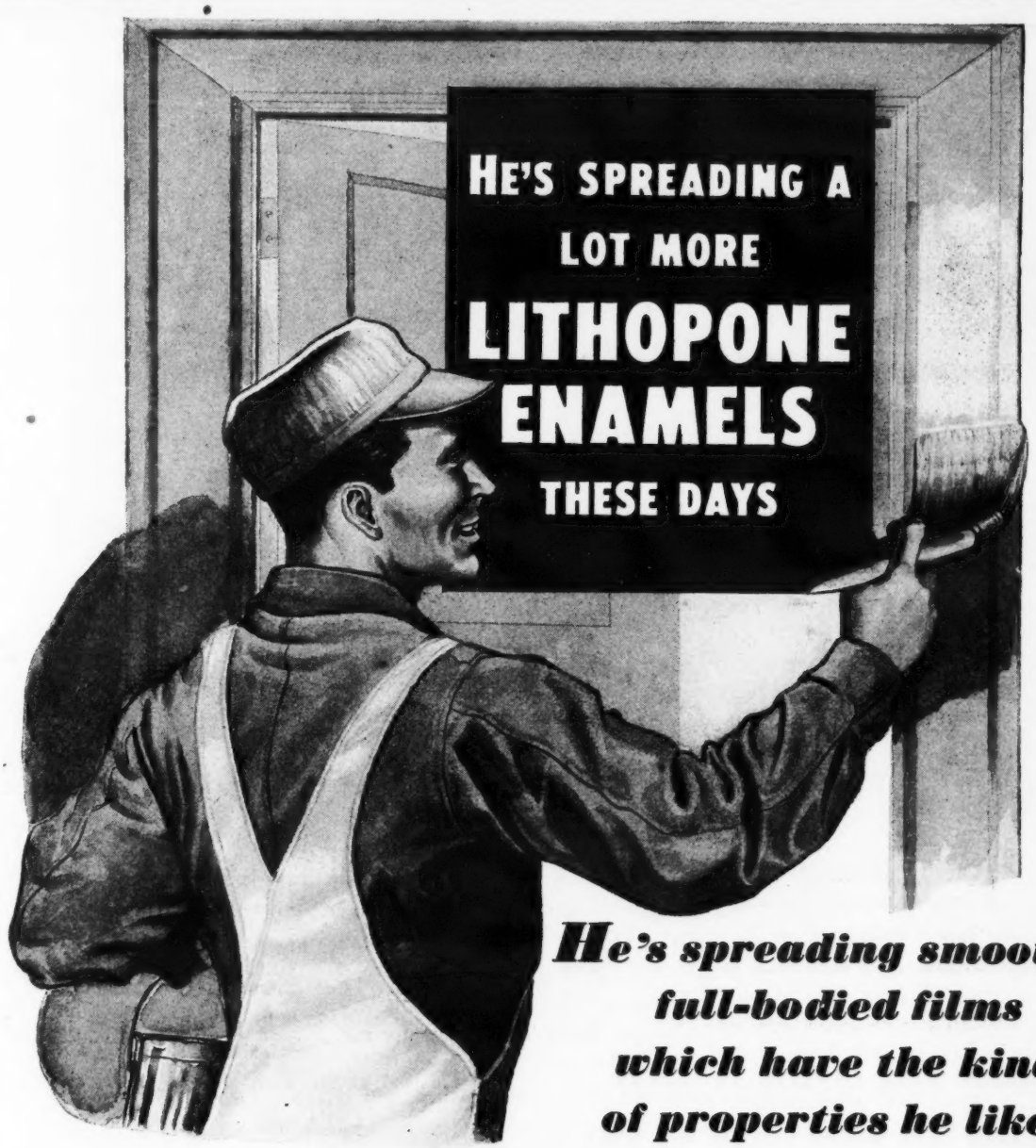
Methyl Abietate—A readjustment of prices asked for this material in standard and hydrogenated forms has been made by the leading manufacturer so as to include the cost of the non-returnable iron drums in which it is now being shipped to customers. This price revision has been upward to the extent of 0.28 cent per pound and has made the amended quotations that much higher in each instance.

Phthalic Alkyd Resins—WPB has reiterated to all makers of protective coatings for containers for shipping food, medicinal and chemical goods designed for civilian uses that, beginning with this month's allocations, the use of these resins has been restricted to the making of coatings for the interiors and interior closures of such containers and that no allocations will now be made for the exterior of such closure coatings, although these resins will continue to be allocated for military can coatings conforming to specifications CQD-200b, CQD-201a and CQD-202a as well as for coatings on other military containers and canteens for these goods.

A list of synthetic resins, with quotations for them, appears in the current issue of OPD, beginning on page 31.

Varnish Gums

Copal—Though temporarily inconvenienced by WPB's telegraphed directive requiring its authorization for all new processing and deliveries of



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Congo copal gum to those placing orders for same with them, the local importers and processors of this natural resin have now become reconciled to the action, thus taken by that government bureau, in attempting an evidently greatly needed conservation and equitable distribution of this gum to consumers with strong preference given to government and essential industry orders. After the purpose of this conservation directive had been explained to the importers at a conference with WPB officials in Washington, it was understood that a formal regulation, in the nature of an addition of Congo copal gum to the already voluminous provisions of order M-300, will soon be issued for the clarification of the original directive and guidance of the trade hereafter.

Shellac—Despite recent arrivals of some seedlac of the T.N. as well as of the orange, lemon and other pale grades of shellac, the immediately available supply of bleached shellac continues decidedly small while cutting operations in white and orange shellacs are still insufficient to meet all current requirements. No new offerings are being made from India and only a few additional arrivals from Kusmi crop lac can now be looked for. Thereafter, there will be a long hiatus before the first lots of the Bysaikhi crop, to be gathered in the country of origin in April and May, begin to reach this country, presumably at the outlet of the Summer.

Glues and Binders

Casein—Awaiting new arrivals from South America and WPB's allocations for the second quarter of this year, the market for imported casein as well as for domestic material has grown rather quiet. Prices for imported material remain unchanged at 18c. to 18½c. per pound. Domestic production is still at ebb-tide and may not be materially increased even when the milk flow reaches flood proportions in April.

Glues—Unless and until there is some intimation that more liberal allocations will be made to consumers of hide and processed bone glues for the second quarter of this year, there is little chance for notable improvement in the present rather tight supply situation.

Monarch Plastics, Inc., Bronx, N. Y., has been formed with a capital of $5,000 in $100 shares. Subscribers are E. K. Wright, E. Wechsler, R. Crystal, 30 Pine street, New York.

Paint Production

—Continued from page 7

developments in the vehicle portions. New Jersey Zinc now has a large number of panels on exposure covering the old and new types of vehicles and information will be given the trade as the tests progress. After a question and answer period the speaker was given a rising vote of thanks.

C.D.I.C.

Twenty-seven members and guests were present at the 248th meeting of the Cincinnati-Dayton-Indianapolis-Columbus Paint and Varnish Production Club, February 12, at the Biltmore Hotel in Dayton. After a further discussion of the club's constitution, it was decided to submit the constitution to a vote in two forms, giving a choice of the members voting or not voting on the appointment of alternates by member companies.

In the absence of Dr. Purdy, Paul Blackmore told the club that Mr. Matlack's federation committee, working on the standardization of test methods, has asked the club to make a survey of gloss-measuring methods in current use, and that Mr. Bidlack's committee has asked the club to undertake the evaluation of hydrocarbon and chlorinated waxes in paint products.

D. A. Piguet, of the pigment division of E. I. duPont de Nemours & Co., presented a paper on the "Pigmentation and Properties of Interior Finishes," described an elaborate set of tests which had been made on non-penetrating types of flat wall paint made with different pigments at P. V. C.'s ranging from 35 to 65 percent. Variation in type of failure was shown in photographs, 50 percent P. V. C. appearing to be the optimum.

Rosin, Turpentine Output Reported

Production of gum and wood turpentine in the United States in the period October-December 1944-45 amounted to 118,119 barrels of 50 gallons each, compared with 129,724 barrels in the same period last year, according to Naval Stores Research Division of the Department of Agriculture. Production of gum and wood rosin totaled 347,559 drums of 520 pounds, against 358,407 drums in the corresponding year.

Supply and Distribution

	Turpentine Oct.-Dec., 1944 Barrels of 50 gals.	Rosin Oct.-Dec., 1944 Drums, 520 lbs.
Carryover, Oct. 1	258,443	661,594
Production	118,119	347,559
Available supply	376,562	1,009,153
Less carryover	249,092	572,839
Apparent total consumption	127,470	436,314

Production

	Turpentine	Rosin
Gum	59,705	181,808
Wood	58,914	165,751

Location of Carryover Stocks

	Turpentine	Rosin
Gum stills	26,760	93,346
So. concen. points	162,824	98,968
Wood plants	13,716	57,613
Distribution points	28,297	15,314
Industrial plants	16,495	307,598
Total in United States	249,092	572,839

Consumption by Industries

	Turpentine Barrels of 50 gals.	Rosin Drums, 520 lbs.
Abattoirs	.....	.....
Adhesives and plastics	74	92
Asphaltic products	.....	.....
Automobiles and wagons	37	69
Chemicals and pharmaceuticals	32,909	30,569
Ester gum and synthetic resins	4,346	3,840
Foundries and foundry supplies	169	150
Furniture	54	48
Insecticides and disinfectants	8	93
Linoleum and floor coverings	11	8
Matches	.....	.....
Oils and greases	117	17
Paint, varnish and lacquer	5,174	6,195
Paper and paper size	.....	.....
Printing ink	69	51
Railroads and shipyards	2,397	2,856
Rubber	196	32
Shoe polish and shoe materials	3,165	3,666
Soap	.....	.....
Other industries	46	46
Total industrial reported	48,772	47,732

Reuther Recuperating

Edward G. Reuther, manager of the New York office of the Bisbee Linseed Company, Philadelphia, is recuperating at his home in Maywood, N. J., following a major operation.

THE Titanium Alloy Manufacturing Company announces a new titanium alloy enameling steel which offers improved quality and reduced cost to the manufacturers of vitreous enameled products.

This new steel has exceptional ductility, being in this respect at least equal to the best deep drawing steels previously known. It also has superior resistance to sagging at enameling temperatures.

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A member of our Technical Staff will be glad to go over details with you at your convenience. Send us a card for prompt action.

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Pending patent applications on the new enameling process and product made thereby are owned by Inland Steel Company and The Titanium Alloy Manufacturing Company under Trust Agreement.

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Oils, Fats, and Waxes

Highlight in the oils and fats market during the week, was the reported sinking of a steamer by collision carrying among other cargo considerable tonnage of castor and oiticica oils and carnauba wax. The loss of approximately 1,000 tons of oiticica oil, the bulk of which was sold before arrival, caused the spot and primary markets to advance sharply. Supplies here are low and reports from Brazil state stocks are unavailable for prompt and nearby positions. Offerings of late have been confined to June forward shipment.

Disappearance of some 700 tons of carnauba wax has further emphasized the tight supply situation and placed the market in a bewildered state because of the low consumer inventories and the difficulty of obtaining replacements from producing centers. The new crop production has been delayed for this season. Sellers in Brazil withdrew offerings for shipment for all positions during the week. Recent offerings have been few and restricted to forward positions owing to the lateness of the crop.

Buying interest in all oils and fats continued active during the week. The bulk of sales, however, was confined to less than carlots and occasional cars. Quotations were firm at ceilings.

War Food Administration makes the following report on the 1944 peanut purchase program, now nearing completion:—Through February 17, 1945, the Commodity Credit Corporation purchased 812,447 tons of the 1944 crop of farmers' stock peanuts at an average price to producers of $163.04 per ton—compared with purchases through August, 1944, from the 1943 crop of 888,884 tons at an average price of $141.03.

From the 1944 crop (through Feb. 17), 93,543 tons were sold to crushers, of which 45,441 tons were No. 2 shelled peanuts—compared with 221,988 tons in 1943, of which 10,000 tons were No. 2 shelled.

Cottonseed Oil

Outside of steady movement of crude and refined cottonseed oil on allocation, the market was quiet, but strong during the week. Offerings were light and for less than carlots. Prices well held at ceilings.

CCC was in the market for 1,800,000 pounds of colored temperate oleomargarine for delivery in May and June. Purchases will be made by midnight, March 10.

Purchases of 390,000 pounds of regular colored oleomargarine at 17.74c. per pound, f.o.b. Sherman, Texas, February 8 and 600,000 pounds at 15.94c. per pound, f.o.b. Indianapolis, February 10 were reported by the War Food Administration.

Recommendation were made to officials of the Office of Price Administration at a recent meeting in Washington, D. C., that no changes be made in the present rationing method of allocating fats and oils to bakers and to bakery, biscuit and cracker manufacturers.

Operators of refreshment stands, who have no refreshment base for lard, shortening, cooking or salad oils because they began using these items after they had been made point free or removed from rationing are now permitted to apply for registration and allotments of these foods, the Office of Price Administration announced February 27. This action, OPA explained, permits refreshment stands to continue to use fats and oils for potato chips, popcorn and other refreshment items.

Bleachable oil prices follow:—

	—Cents per pound in tanks— High.	Low.	Close.
March	....	....	14.31 bid
May	....	....	14.31 bid
July	....	....	14.00-14.31
September	....	....	14.00-14.31
October	....	....	14.00-14.25
December	....	....	13.60-14.25

Total, no sales.
Cash, 14.31c. nom.
Crude, Southeast, 12¾c.; Valley, 12⅝c.; Texas, 12c. (all ceiling prices).

Memphis, Feb. 28. — Cottonseed and other vegetable oils in urgent demand with sales limited to occasional cars. Cottonseed, peanut and soybean meals in demand for all positions at ceilings, Crop preparations continue backward because of frequent rains.

Market Trends

Prices Advanced

Oiticica oil, 2c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
193.3	193.3	193.3	195.3

Linseed Oil

An active call for oil against contracts was reported during the week upon the presentation of certificates governing distribution of oil under WFO 124. A moderate volume also was being absorbed by holders of government contracts. Prices were unchanged and firm.

Minneapolis, March 1.—Trading went on a hand-to-mouth basis and was limited by the compliance order. Crushers have no oil for sale, and looking forward to a general shutdown sometime late in April, they are not anxious to further complicate their position by additional business. The tankcar situation was not liquid, but there seemed to be enough cars available to care for the amount of oil shipped from day to day.

Shipments of linseed oil, in pounds, were as follows:—

	1945-44	1944-43
This week	3,560,000	6,900,000
Since Sept. 1	125,650,000	155,430,000

Flaxseed—Market firm, seed offerings scarce and in active demand.

Minneapolis, March 1.—Already pinched by a short flax crop in 1944, the linseed crushers in the Midwest suffered even further as the worst car shortage since 1918 curtailed movement of seed to market. The supply situation continued acute with crushers working principally from reserve stocks and unable to do much about replenishing supplies from country holdings. Various estimates of remaining flax supplies in the Northwest have been made in the past few weeks, the most optimistic of these indicating 3,000,000 bushels of seed remaining and the pessimistic reports indicating less than 1,000,000 bushels.

Crop movement in bushels follows:—

	—Receipts— 1945-44		—Shipments— 1944-43	
This week	21,100	211,500	16,500	61,500
Since Sept. 1	10,125,600	18,242,000	1,414,000	2,058,000

Flaxseed markets at Minneapolis and Duluth during the week were unchanged at $3.10 (ceiling) per bushel for spot and forward deliveries.

Buenos Aires, March 2.—No shipments of Argentine flaxseed were made during the past week. Visible supply of seed was placed at 3,740,000 bushels. Argentine flaxseed was quoted at $2.26½ per bushels, nominal.

Hull, March 2.—Bombay, £32¼, March; Calcutta, £30¾, March; La Plata not quoted.

Other Vegetable Oils

Babassu—Receipts of kernels were reported totaling 23,290 bags for delivery to crushers on allocations.

Castor Dehydrated—With production sold well ahead, crushers were unable to cope with active demand which featured this market. Makers restricted sales to limited quantities and to holders of government contracts. Withdrawals against former contracts continued heavy. Prices firm and unchanged. Blown grades were also in good request with offerings light.

Copra—Some 4,000 bags of copra were received for consignment against former orders.

Hempseed—Price ceilings for raw oil of 14c. per pound, tankcars, f.o.b. works, was announced by the Office of Price Administration, effective March 3. The same differentials used for linseed oil apply to hempseed oil as to type of container and quantities other than tank cars, and other grades of oil.

Oiticica—The sinking by collision of a vessel carrying approximately 1,000 tons of oiticica oil in bulk, made the tight supply situation more pronounced and resulted in a stronger market here and in Brazil. Limited supplies on the spot were advanced 2c. to 24c. per pound in drums. Sales were reported at the higher price. Offerings from Brazil were unavailable for prompt shipment and re-

For Current prices see alphabetical listing beginning on page 9.

stricted to June-July from that country, at 23c. per pound, drums, New York, subject to arrival. Receipts were reported at 240 drums against former orders.

Olive—Keen inquiry for Spanish edible oil was noted for prompt and nearby shipment. Offerings were limited and firm at ceilings. Supplies on the spot were scarce and in demand. A drive to bring in liberated Italy's olive oil harvest so far has produced 264,770 quintals (about 29,000 tons) of pressed oil, the Allied Commission at Rome announced February 25. This year, owing to the lateness of the crop, the present collection rate is expected to be maintained.

Soybean—WFA reported the purchase of 600,000 pounds of refined soybean oil at 14.7c. per pound, f.o.b. Edgewater, N. J. on February 9.

Tung—Trading was fairly active for prompt delivery at ceilings.

Atlanta, March 1.—Cottonseed hulls are reported obtainable in carload quantities. Practically no peanut meal is available, though production is showing some increase. Stocks are low, only 4,792 tons being reported at the end of January.

Fats and Greases

Greases—Scarcity of supplies continued to restrict trading. Demand was active and unsatisfied. Limited sales were made at ceilings.

Lard—Consuming inquiry was keen, but sales were confined to small lots. Production was sold up with the bulk going for government requirements. WFA reported purchases of lard totaling 4,048,000 pounds from 14.30c. to 16.66c. per pound, f.o.b. shipping point on February 6; 2,321,790 pounds at the same levels, February 13, and 301,800 pounds from 14.08c. to 15.33c. per pound, February 16.

Lard stocks in Chicago totaled 5,140,849 pounds on February 28, compared with 10,023,427 pounds, February 1, and 64,293,616 pounds on February 28, 1944.

Tallow—Activity was confined to delivery against former orders. Demand was urgent with offerings scarce. Trading was noted for scattered tankcars at ceilings.

Animal Oils

Degras—Steady consuming call for all grades keeping supplies at low levels. Prices were unchanged and firm.

Neatsfoot Oil—With production sold up, offerings were restricted to small lots. Consumers have been compelled to use increased quantities of substitutes.

Oleo Oil—Prices remain firm. Business was quiet, owing to scarcity of supplies.

Chicago, March 1.—Buying of animal oils is fairly active. Orders indicate that the trade is showing no inclination to taper off in its takings. Lard oil, No. 1, 14¼c. per pound; oleo oil, No. 1, 13¾c.; tallow oil, acidless, tankcar, 13¾c. per pound.

Fish Oils

Menhaden Oil—Limited offerings of refined grades continued to restrict sales to small lots. Consumers showed a good inquiry. Quotations were well held at ceilings. Interest in crude also was active with bids at ceilings unaccepted. Production of menhaden oil for 11 months (January-November, 1944) was 5,167,420 gallons, comparing with 5,225,763 gallons for the same period last year, according to the Department of Interior.

Baltimore, Feb. 28.—New developments in the market for menhaden oil were entirely lacking the past week. Fishing companies that operate off the coast of Florida apparently feel that for the present at least they do not care to increase their commitments on a when-and-if-made basis. The indications are that further business could be put on the books of the fishing companies at the ceiling, but they feel that perhaps better returns might be realized, and they are disposed to maintain a waiting attitude.

Sardine Oil—Market was quiet, but firm. Bids for crude oil at ceilings commanded little attention from sellers. Inquiry for refined oil continued keen, but trading was light owing to limited offerings. Output of sardine oil during August through November 30, 1944, amounted to 14,985,938 gallons against 10,778,440 gallons for same period the previous year, as reported by Department of Interior.

Los Angeles, Feb. 28.—The crude sardine oil market remained tight here this week with numerous bids at the ceiling going unaccepted. The California Sardine Products Institute reported 5,823 tons of sardines were landed in Southern California during the week ending February 17. This brings the total landings this season to 545,107 tons, as compared with 468,289 tons last year for the same period.

Fatty Acids

Red Oil—Conditions in the market were firm and unchanged. Steady demand was unsatisfied, owing to soldup production and scarcity of raw material. Prices strong at ceilings.

Stearic Acid—Producers unable to fill consumers' demands because of output sold well ahead. Business was mainly limited to holders of priorities. Market firm at ceilings.

Chicago, March 1.—Trade in fatty acids is being featured by active call. Buyers apparently are still anxious to get large quantities of material beyond current offerings. Corn oil, double distilled, Chicago, 11c. per pound, tankcar; coconut oil, double distilled, 18c. to 18½c. per pound, tankcar; cottonseed oil, distilled, delivered, 11¾c. per pound, tankcar; settled cottonseed soap stock, 60-62 percent basis, 3⅞c. to 4c.; boiled-down soap stock, 65 percent basis, 4⅞c. to 5c.; cottonseed foots, 50 percent basis, 3¼c. to 3½c.

Cake and Meal

Cottonseed Meal—Scattered carlots were readily absorbed at ceilings. Production sold well ahead and offerings were scarce.

Linseed Meal—Urgent call for meal against former contracts. Limited offerings far below consuming demand.

Minneapolis, March 1.—The car shortage further complicated the linseed meal tight supply situation. Many mills were in an oversold position because of the poor supply of flaxseed and because they were more optimistic about future operations back in January.

Shipments of linseed meal, in pounds, were as follows:—

	1945-44	1944-43
This week.....	4,080,000	13,740,000
Since Sept. 1.....	35,700,000	91,680,000

Soybean Meal—Business was light, owing to scarcity of available supplies. Occasional carlots promptly taken at ceilings.

Waxes

Beeswax—Scarcity of supplies on the spot and offerings for shipment from primary markets continued to affect business. Prices were firm at ceilings. Receipts were reported at 185 bags and 145 seroons consigned against previous orders.

Carnauba—The sinking of a steamer by collision, with about 700 tons of carnauba wax aboard, created a great deal of confusion in the trade because of the difficulty of obtaining replacements from Brazil at this time owing to the lateness of new crop production. All offerings for shipment were withdrawn from Brazil during the week. Recent offerings were limited to September forward shipment. Receipts were reported at 10,945 bags consigned against former contracts.

Candelilla—Market remains firm. Supplies on the spot were light and well held. Offerings for shipment also firm. Trading was spasmodic.

Ouricury—Further tightening of the supply situation in carnauba has resulted in a firmer tone and may increase consuming inquiry for prompt and nearby shipment from Brazil. Prices firm at ceilings. Receipts were reported at 440 bags for delivery against former orders.

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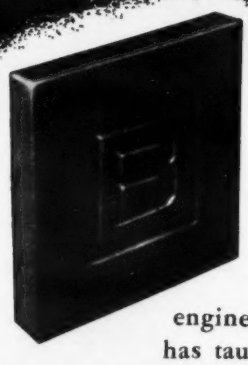

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Obituaries

—Continued from page 4

ment work, died February 27 in a hospital in Washington, following a third operation in an affliction which had hospitalized him several weeks ago. He was fifty-eight years old.

Mr. Smalley was a native of Summitville, Ind. He got his B. S. and M. S.

H. R. Smalley

degrees from Purdue University. During his postgraduate period, 1911-13, he worked as research chemist in soils and crops at the Indiana Experiment Station. During the next two years he was the first county agent for Stark county, Indiana, and after a year's work for the United States Department of Agriculture in special soil investigation, he returned, also taking on the position of agent for Allen county. January 1, 1920, he became associated with the N.F.A. soil improvement committee as agronomist. He was appointed director of the Northern division of the committee in 1925, and when this division was combined with the Southern in 1929, he was made chief agronomist and director of the committee.

Mr. Smalley did a deal of writing and speaking on agronomy, and was recognized as an authority in that field. He was an honorary fellow of the American Society of Agronomy. He served as secretary of its committee on fertilizers, of the national joint committees on fertilizer application and nitrogen utilization, and of the plant-food research committee. He was a Mason, an affiliant of the Congregational Church, and a member of the American Farm Economics Association, National Grange, the Sons of the American Revolution, the Mayflower Society, and of Sigma Xi and Alpha Gamma Rho.

Mrs. Smalley, who was Miss Hazel Compton, survives her husband. He also left four children, John, Patricia, and Richard Smalley, and Mrs. Joseph Wardman, and one granddaughter.

Louis Werk

Louis Werk, secretary and treasurer of the M. Werk Company, manufacturer of soaps, stearic acid and glycerin, Cincinnati, died February 18. He was seventy-one years of age. He was the grandson of the founder of the company. Surviving is his wife.

Henry F. Armour, retired executive of the Union Oil Company, Los Angeles, died recently. He was sixty-eight years of age.

John R. Atkins, a chemical engineer with the Westvaco Corporation, Charlestown, W. Va., died February 23 in Charlestown. He was twenty-four years of age.

Aaron A. Goldstein, president of the Gomco Surgical Instruments Manufacturing Company, died February 26 in Buffalo. He was forty-six years of age.

Frank Leslie Hadley, vice-president of the Susquehanna Pipe Line Company, died in Philadelphia, February 27. He was sixty-five years of age.

Lieut. Robert S. Hall, son of Major Sydney H. Hall, who was formerly associated with Durez Plastics & Chemicals, Inc., North Tonawanda, N. Y., was killed in Europe, January 21. He was twenty-one years of age.

Thomas Edward Milburn, president of T. Milburn Company, Ltd., pharmaceutical manufacturers, died in Toronto, February 24. He was seventy years of age.

Raymond Spilsbury, former general manager of the Cerro de Pasco Copper Company, Peru, died recently in Las Vegas, Nev.

Miss Marion L. Tice, an analyst for the Procter & Gamble Corporation, Staten Island, died February 27 in Elizabeth, N. J. She was thirty-five years of age.

Emil J. Westerbeck, founder of the old Columbia Can Company, St. Louis, Mo., died February 20. He was sixty-six years of age.

George Wittmer jr., wellknown in the oil and natural gas industry, died February 28 in Abilene, Tex. He was seventy-five years of age.

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Textile and Leather Chemicals

Scarcity of materials continued to feature the textile and leather chemicals market during the week. Consumers were in the market for supplies, with demand unsatisfied.

The freight transportation situation has become more critical and the shortage of boxcars has resulted in reduced production and also affected the shipment of raw and finished products. This situation has seriously curtailed the output of corn products, because of the difficulty of transporting corn to the mills. The decrease in the production of potato starch this season was said to be abou: 30 percent below the usual volume. Sellers were practically out of the market and carlot business was not accepted.

Tanstuffs were in keen demand for shipment from primary markets, but business was slow in the absence of offerings. Members of the trade have discussed with government officials ways and means to encourage the production of tapioca flour in Brazil during the forthcoming season, which starts in April, and it was reported that higher import ceilings for shipment from Brazil may be announced shortly as an incentive in that direction.

Recent announcement by the Argentine government of a decree to the effect that Argentine ships will be permitted to call at United States and Canadian east coast ports raised the hopes of quebracho extract consumers of an early resumption of shipments of extract to plants located on the eastern seaboard. At present deliveries by Argentine vessels are restricted to Gulf ports, which entails the increased freight charges to points in the northeast.

Chemicals

Alumina Chloride—Market remains steady with consumers purchasing moderate quantities for immediate and prompt requirements. Prices were firm.

Bichromates — Consumption moving steadily under government allocation for military and civilian requirements. Allocations to tanners for military needs were met in full and civilian requirements were granted in varying percentages. The average was about 80 percent and not adequate for all permissible soakings. Woolens and work clothes were granted 80 percent and other textiles slightly less. Market continues in a strong position with quotations firm at recently advanced ceilings.

Soda Formate—New business moderate for prompt delivery. Quotations firm and unchanged.

Sulphonated Oils — Buying interest was moderate but steady for immediate and prompt delivery. Prices were well held for all grades.

Dyestuffs

Annatto—Offerings confined to small lots, owing to light supplies on spot. Prices steady and unchanged.

Hematine—Consumers taking moderate quantities for prompt needs. Prices unchanged and firm.

Hypernic—Supplies are well held at former levels. Trading was spasmodic.

Madder—Demand confined to small quantities for actual needs. Prices unchanged.

Sizing Materials

Albumen, Blood—Tanners continued to absorb sizable quantities. New business also has improved of late. An active call was noted for dried soluble blood and the seasonal demand was expected shortly from the insecticide industry. Quotations were firm and unchanged.

Egg Albumen—Lower ceilings for granular dried egg albumen were effective March 1. Prices were reduced 7c. per pound from the previous month to $1.81 per pound, barrels, in carlots, from 1,000 to 3,000 pounds, to $1.86 and up to 1,000 pounds, $1.89. Powdered was 5c. per pound above these levels. The market was in a tight position with supplies at low ebb. Inquiry for next season's output was active but trading was restricted owing to the delay in the start of the new production which has been affected by cold weather in the southwest and other sections. Operations were expected to start within the next two weeks. Purchases of 3,050,556 pounds of dried eggs at the f.o.b. cost of $3,765,705 were reported by the War Food Administration during the month of January. WFA reported the purchase of 89,600 pounds of crystal egg albumen at $1.30 per pound, in barrels, f.o.b. Philadelphia on January 29.

Egg Yolk—Effective March 1, OPA ceilings were reduced 2c. per pound. Carlots were quoted at $1 per pound, 1,000 to 3,000 pounds, $1.03 and up to 1,000 pounds, $1.06 per pound, in barrels. Supplies on the spot were limited. Inquiry for prompt delivery was active with offerings restricted because of the delay in the production on account of cold weather in producing centers.

Starch, Corn—The supply situation has become tighter, owing to the shortage of box cars which has curtailed receipts of corn and the delivery of corn products. Demand continued active against contracts. New business was inactive because of the limited offerings. Prices were firm. The visible supply of corn increased 798,000 bushels during the week ended February 24, totaling 20,572,000 bushels, comparing with 21,304,000 bushels a year ago, it was reported by the Chicago Board of Trade. Purchases of corn starch totaling 12,174,547 pounds at the f.o.b. cost of $579,818 were made by the War Food Administration during January. WFA also reported purchases of powdered and pearl on February 9 amounting to 1,008,000 pounds at 3.8334c. and 4.0042c. per pound, in 100-pound bags, f.o.b. Indianapolis.

Starch Potato — Consuming inquiry active, but trading was light, owing to the sold-up production. Business of late has been confined to small lots, and carlots business was said to have been turned down because of the scarcity of supplies. The production this season has been materially reduced, and was reported to be about 30 percent less than the usual volume. Mills were expected to shut down next month owing to the inability of getting potatoes.

Tapioca Flour — Conditions were firm and unchanged. Stocks were unavailable and the market entirely nominal. It was reported that discussions were under way with government officials with reference to increasing import ceilings at Brazil to encourage production for next season, which starts in April. Receipts were reported at 4,000 bags for delivery against former orders.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
285.7	285.7	284.0	263.2

Tanning Materials

Divi-Divi—Tight supply situation at primary market continued to affect business. Buying interest continued active, with offerings still scarce and firmly held at current prices.

Mangrove Bark—Demand for mangrove bark was fairly keen. Offerings for shipment from producing points have been reduced and held up business. Quotations were firm at former levels.

Myrobalans — Inquiry for prompt shipments was moderate. Advices from primary centers indicate a firm market with supplies to the seaboard delayed by the lack of railroad cars. Quotations were steady and unchanged. Receipts were reported at 925 bags for delivery against former orders.

Quebracho—This market was firm under a keen demand for solid extract for prompt and forward shipment from Montevideo. All other grades of extract also were in good request. Prices were strong at ceilings.

Wattle Bark. — Consuming inquiry continued active. Trading, however, was limited owing to the scarcity of supplies for shipment from producing points. Quotations were strong at ceilings.

For Current prices see alphabetical listing beginning on page 9.

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Baker's fine chemicals

Drugs and Fine Chemicals

Manufacturers of sulphanilamide provided the surprise market price development last week when they announced a rather substantial price rise the virtue of which did not seem to be universally appreciated. Other drug market features included lower quotations on fermentation process normal butyl acetate and alcohol when made in Illinois and Indiana; prices for production at other points, and also for synthetic material, lacked change. Castor beans were lower in Brazil at a time when the spot market vibrated to the news of a loss at sea of a ship believed to be carrying castor beans and known to be fetching castor oil, oiticica oil and carnauba wax to this country. Codliver oil was up slightly and local reports made the spot market a deal firmer.

The advance in sulphanilamide prices established a level which was still below the price ceiling on that item. The rise surprised because all recent indications had pointed to ample production and reasonably easy price position.

The end of the season of enlarged consumption of codliver oil was at hand just as prices rose moderately and despite the desire of most merchants to maintain a fairly stable at or near current quotations. Foreign suppliers showed great reserve, feeling that liberated Europe will provide them a market at prices higher than the United States will pay. Stocks in this country were reported conservative in size and replacement was most uncertain.

Quicksilver prices declined on spot and on the Pacific coast. The decline restored the normal price relationship between the two markets but failed to find reflection in prices for derivatives.

Acetone—The supply situation was very tight. War took all of production and yearned for additional quantities that were not and, at present, cannot be forthcoming. To non-essential civilian buyers, the article was but a name.

Acid, Ascorbic—Plentiful supplies and freedom from the restrictions of allocation tended to create a more active and freer movement of this article at reasonably easy prices.

Acid, Citric—Scarcity of this article for other than essential uses contributes strongly to the much larger business being done in phosphoric acid, one of the leading substitute acidifiers.

Acid, Phosphoric — Heavy selling was reported locally by middlemen whose customers were determined to increase reserves in view of the report that production at one plant had decreased as the result of an accident. Also, makers of citric acid substitutes have an increasing call for their products based on a considerable measure of phosphoric acid.

Alcohol—The January "holiday" operations of whiskey plants resulted in the production of approximately 47,000,000 proof gallons of beverage alcohol. In August, a similar "holiday" brought production of 54,000,000 proof gallons. Later, an additional production of 12,000,000 will be permitted, bringing the January "holiday" grant total to 59,000,000 proof gallons. Approximately 60 percent of the total quantity of alcohol produced in January will become beverage. The balance of 40 percent will be industrial alcohol for the synthetic rubber industry. Ample supplies of antifreeze will be available for military and civilian use in 1945, according to statements made by the industry advisory committee to the War Production Board.

Atropine—All sellers took a competitive view on the market and conditions were distinctly favorable for buyers for consumption. Supplies were excellent in size.

Butyl Acetate—Normal fermentation production made in Illinois and Indiana was reduced 4/10c. per pound when the schedule for March sales was established. In tanks, the price became 16.85c. per pound; drums, carlots, 17.85c.; less than carlots, 18.35c.

Butyl Alcohol—In establishing the March sales prices, producers of normal fermentation material made in Indiana and Illinois reduced quotations ½c. per pound, making tanks 17.3c. per pound; tankwagons, 17.8c.; drums, carlots, 18.3c.; less than carlots, 18.8c.

Market Trends

Prices Advanced

Codliver oil, 10c. per gal.
Sulphanilamide, 15c. per lb.

Prices Reduced

Butyl acetate, 4/10c. per lb.
Butyl alcohol, ½c. per lb.
Castor beans, $1 per long ton.
Quicksilver, spot, $5 per flask.
Pacific coast, $10 per flask.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
231.1	231.6	233.1	243.7

Cadmium Metal and Salts—Excellent consumption caused by an extremely hungry war industry keeps stocks of all kinds short when it comes to other than strictly essential purposes. The undertone was strong in every respect.

Caffeine—There is a lot of inquiry and discussion about strictly synthetic caffeine but the leading producers of natural caffeine shrug such production off their shoulders as utterly unimport. Domestic and Brazilian production cares well for current requirements here.

Castor Oil—Castor beans for shipment from Brazil were down to $75 per long ton, f.o.b. Brazilian ports, at which business of interesting size was reported done. During the week news of a loss at sea through accident reached here, the foundered ship being reported carrying a cargo which included castor oil, oiticica oil, carnauba wax, and, probably, castor beans. The loss of the oil caused no price reaction in this market, but in some quarters a tightening of supply was suggested as being likely, temporarily. Stocks of beans in this market gained 1,947,300 pounds, bringing the total since January 1 to 43,197,350 pour During the corresponding period in 1944, the total was 51,973,250 pounds.

Chicago, March 1.—The castor oil market is still moderately active, with good demand and a generally strong undertone prevailing. Prices are:—Cold pressed, U.S.P., returnable drums, carlots, 14½c. per pound; drums, less than carlots, 15¼c.; tanks, 13¾c.; No. 3, extracted, returnable drums, carlots, 14¾c.; tanks, 13½c.

Codliver Oil—The spot price was minimum at $2.40 per gallon and ranged to $2.50. Sellers were reserved. With the season of largest consumption nearing its end, stocks are believed to be at low ebb and replacement is extremely doubtful. Liberated areas of Europe are considered to be actual or potential consumers of large quantities, a fact which makes primary markets now open to commerce rather reserved in the matter of offerings. The desire of most local factors is price stabilization at or close to current values.

Cocaine—Some Peruvian merchants seek a larger sales outlet in the United States and have approached quarters not formerly factors in coca leaves with offers of shipment parcels. Of course, every pound of leaf imported has to have a United States government license.

Corn Syrup—Argentine syrup of 43 degree test was quoted about $10.50 per 100 pounds and stocks covering single barrels to carlot quantities were available in bond, United States port. Though far over the domestic GMPR controlled price limit, the Argentine product has found many ready buyers from consumers definitely short of sugar.

Fishliver Oils.—The Ard Food Administration on February 8 bought 1,021,060 millions A units of fishliver oil at 28½c. per million units. It was an eastern transactions involving soupfin shark oil of 200,000 potency gram. Another purchase on February 16 involved 499,867 million A units at 28½c. per million units.

San Francisco, Feb. 28.—Demand continues to run far ahead of production in the vitamin oil market, with all sales being made at the ceiling. Imports from Mexico are far below the seasonal level for last year. Landings of soupfin shark of 4,560 pounds for the week ending February 17 were almost double those of the previous week, although considerably

For Current prices see alphabetical listing beginning on page 9.

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lower than the 12,921 pounds landed during the same week last year.

Formaldehyde — Increase in consumption via the munitions program of the government makes it essential that every pound possible be turned out. To that end, no methanol, synthetic or natural, will be allocated for antifreeze purposes in 1945.

Glycerin—The market continued in normal activity under well stabilized conditions and backed by sufficient stocks to care for domestic and even export requirements as they do or may arise. Soap production runs to high levels and that yields substantial quantities of crude glycerin which, when recovered by the soapers, is promptly absorbed by glycerin refiners.

Chicago, March 2.—Call for glycerin is active. Tone of the market is firm. At the same time, quantities of material currently available are understood to be reasonably ample for currently expressed needs. Prices are:—Chemically pure, tankcar, 15c. per pound; drums, carlots, 15c.; drums, less than carlots, 15¾c.; high gravity, tankcar, 14¼c.; drums, carlots, 14½c.; drums, less than carlots, 15c.

Iodine and Iodides—The availability of 500,000 pounds of crude iodine held in St. Louis, Mo., and offered as government owned surplus by the Defense Supplies Corporation is in addition to the very substantial stores held in warehouse by the agents of the Chilean producers. The official price for crude is $1.28¼ per pound in 150-pound kegs, net.

Menthol — Some 231 cases were added to local supplies, but reports from some importers suggest that the bulk of the goods has been sold. In fact, it seems now to be felt that when new crop does begin arriving here it will come to a market fairly well cleaned up as against the recent overstocked situation that led to substantial competition. If developments now expected to come in Brazilian prices be achieved, it seems reasonable to expect that spot prices at next midyear will be lower than they are today at $12.75 per pound.

Methanol — No methanol antifreeze will be available in the Winter of 1945-46 because the need for methanol from which to make formaldehyde will require the government to prevent methanol diversion to other than war program products. New production of synthetic methanol is underway and the cost is said to be exceptionally favorable.

Milk Powder—The War Food Administration is offering for sale to the original processors approximately 167,360 pounds of roller process whole milk powder, and 50,000 pounds of spray process whole milk powder. The goods are stored in Philadelphia and in keeping with the WFA policy of first offering to original processors, whenever practicable, original processors may submit bids until March 6 at 5 p.m.

Quicksilver—Spot and primary market quotations had been virtually identical, an unusual condition since the transportation charges mean an eastern market about $5 per flask above prices at the mines on the Pacific Coast. Last week, Pacific Coast prices dropped $10 per flask and spot quotations receded $5 to the basis of $170 to $175 per flask, thus restoring the former price relationship between the two markets. The fact that foreign producers are beginning to affect this market by offerings originating at European points may be an element in the conditions that at least brought an almost abrupt check to continued advance in prices for domestic metal. Spot stocks continued on the short side.

San Francisco, Feb. 28.—The quicksilver market leveled off here this week because of the expected import of 4,000 flasks of metal essertedly due to arrive in the United States around April 1. Producers were quoting metal here this week between $165 and $170 per flask, f.o.b. San Francisco. However, very little spot was being offered.

Riboflavin—The War Food Administration on February 12 bought 65 kilos at $200 per kilo. On February 16, WFA also bought 100 kilos at the same basis.

Sugar—The Commodity Credit Corporation has bought 214,500 short tons of refined sugar in Cuba, mainly for lend-lease account. The business was placed with eight Cuban refiners and deliveries of most of the purchase will be made to the CCC prior to July 1 next.

Sulphanilamide—Leading producers advanced prices 15c. per pound last week, making the basic quotation $1.05 to $1.25 per pound, according to quantity packed in drums.

Trade Briefs

Frank Liebler has been appointed assistant manager of the New Jersey Wholesale Company, a cooperative.

Norwich Pharmacal Company, Norwich, N. Y., has been awarded its fourth Army-Navy E for continued high rate, and quality production of vital medical supplies for the fighting fronts.

A. E. Gladson, former manager of the Mutual Drug Company, cooperative wholesalers, Cleveland, has resigned. His duties are being carried on by George F. White as secretary and manager.

American Glutamate Corporation, Queens, L. I., N. Y., has been formed with a capital of 100 shares no par value. Subscribers are Marie M. Kettl, Helen Einbinder, Charlotte Goldberg, 1450 Broadway, New York.

PIONEERS VITINC SINCE 1936 TRADE MARK

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Sterling Drug V.P.

Joseph D. Bohan has been elected a vice-president of Sterling Drug, Inc., in charge of its Centaur Company Division. Formerly a divisional vice-president, Mr. Bohan succeeds Harold B. Thomas who resigned to become a partner in the advertising agency of Pedlar & Ryan, Inc.

Lend-Lease for France

—Continued from page 7

made available to the French people so that they can fight, produce and work most effectively in the winning of the war and, when the President proclaims them to be no longer necessary for this purpose, the undelivered balance can be taken up by the French government and paid for in thirty annual installments.

They include raw materials for war use and essential civilian supply (cotton, metals, steel, chemicals, synthetic rubber, drugs, medical supplies, etc.), $840,000,000; food (milk, pulses, edible oils, oilseed, seeds), $185,000,000; petroleum supplies, $132,000,000; French prisoner war supplies, $48,000,000; short life manufacturing equipment for war production, $250,000,000, and freight charges (rental and charter of vessels), $220,000,000.

Schedule 2 items are those necessary to enable France to produce and transport military equipment and other war goods for our combined forces. These long-life capital goods are to be paid for in full over a period of thirty years.

Brunswig Drug to Erect Building in Los Angeles

Brunswig Drug Company, Los Angeles, plans the expenditure of $1,500,000 for the erection of a building on a ten-acre site at the northwest corner of Santa Fe avenue and 48th street. The new building will supplement other facilities of the company in Los Angeles.

Steel Drums Price Rule Reviewed by Advisers

OPD Washington Bureau

A new regulation covering new steel drums, pails and containers that will replace individual "freeze" ceilings with uniform dollar-and-cents maximum prices for some items is under consideration, the Office of Price Administration told members of its New Steel Drum Industry Advisory Committee at a recent meeting in Washington, D. C.

General outlines of the proposed new regulations were presented to the committee, which agreed to assist the price agency in securing data needed to complete an OPA study of the industry. Results of the study will form a basis for the dollar-and-cent ceilings to be included in the new regulation.

The committee named two temporary subcommittees to make studies of the new measure when it is drafted. The committee expressed a need for price increases because of the recent price increase for hot-rolled carbon steel sheets. Immediate increases were asked for on open-head drums, production of which was resumed in July, 1944. Prices of open-head drums were abnormally low during the "freeze" period of 1942, the committee said, and as a result open-head drums are being produced at a loss. OPA indicated its willingness to give full consideration to these recommendations in the light of more complete data to be secured from the industry. Officers elected at the committee meeting are: **Chairman, Harry W. Lees**, of J & L Steel Barrel Company, Cleveland; vice-chairman, R. L. Brammer, of Wheeling Corrugating Company, Wheeling, W. Va.; treasurer, J. A. Connelly, of the U. S. Steel Products Company, Sharon, Pa.; secretary, Mrs. Charlotte M. Angrada, of the Steel Shipping Container Institute, Inc., New York.

American Home Products To Buy Serum Company

American Home Products Corporation, New York, has announced that negotiations are underway for acquisition of the Fort Dodge Serum Company. Fort Dodge produces a complete line of veterinary biologicals and pharmaceuticals.

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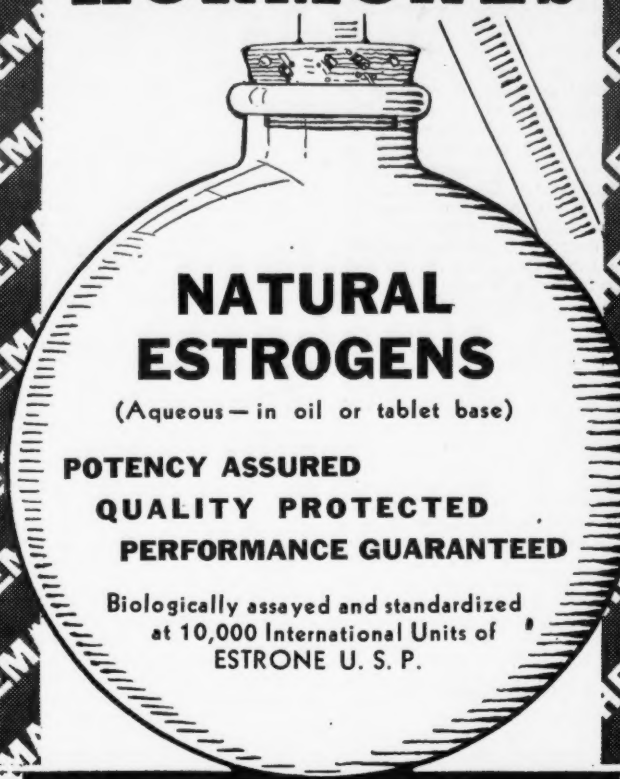

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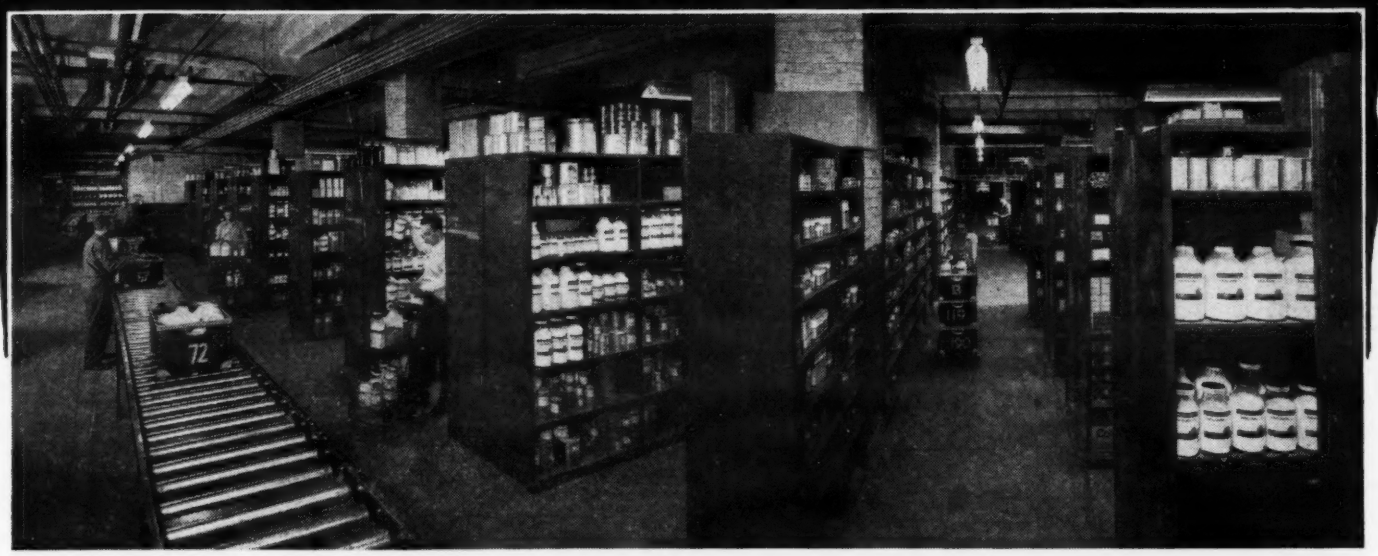

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Washington Talks It Over

—Continued from page 5

matters now stand there will be a gap of at least four years before adequate numbers of these new professionals will be available to meet the health needs of the nation. This gap may be enlarged depending upon the length of the war and the needs of the armed forces for manpower.

Statistics show that out of about 80,000 doctors available to civilians—an additional 80,000 are either in the services or doing only research work for the armed forces—one-half of these are between the ages of fourty-five and sixty-four. This age bracket applied to only one-third of the doctors before the war. Between 3,000 and 3,500 doctors die every year. In peacetime there was a net increase of 2,000 doctors annually over the number who died. Now there is an annual deficit.

It is estimated that 6,000 graduations annually are required to meet the normal needs for doctors. The september, 1945, enrollment is not expected to exceed 4,100, however, and the September, 1946, enrollment may number only about 2,250 students. Senator Allen J. Ellender of Louisiana is urging the President to take immediate steps to meet this deficit by releasing from the army those men who have served one year of honorable service and who had completed a substantial portion of medical or premedical education before being drafted.

Pharmacy Public Relations Subject of Lectures

Temple University School of Pharmacy has been conducting a lecture series on public relations as they affect the profession of pharmacy. The first of five scheduled discussions was held Thursday, March 1, at which time Dr. Robert Livingston Johnson, president of Temple University discussed the general principles of public relations. Succeeding lectures had been listed for every Thursday during March.

Standard Synthetics Chicago Branch Covers Ind. and Iowa

Standard Synthetics, Inc., essential oils, New York, has announced that the Indiana and Iowa areas are now covered from its branch office at 219 East North Water street, Chicago, under the management of Edward Sinclair. Ralph Crow is the sales manager of the Chicago office.

Owens-Illinois Names Divisional Managers

Smith L. Rairdon, vice-president and general sales manager for the glass container division of the Owens-Illinois Glass Company, Toledo, Ohio, has announced that E. F. Bertrand now on leave with the War Production Board, upon his return will be sales manager to the divisions serving drug industries.

E. A. Hildreth has been made sales manager to the group of food industries sales divisions. R. E. Delaplane has been made sales manager to the divisions in the beverage group, including carbonated and alcoholic beverages and also continuing his responsibilities in closures and plastics.

H. C. Knepper has been made assistant to the general sales manager. K. J. Solon, has become manager of sales control. Jack Thayer has been made assistant branch manager in New York. J. W. Colbert is branch manager in New York and C. L. Rodgers is Eastern sales manager.

Merck Canadian Company Plans Postwar Expansion

Plans for the postwar manufacturing expansion of Merck & Co., Ltd., were announced at the recent annual meeting of the shareholders held at Montreal, Que. Merck & Co., Ltd., is the Canadian subsidiary of Merck & Co., Inc., manufacturing chemist, of Rahway, New Jersey. The managing director of Merck & Co., Ltd., R. I. Hendershott, stated that the company is rapidly outgrowing its present facilities in the St. Henri district of Montreal, and that a tract of 210 acres has been purchased at Valleyfield, Que. This site was chosen because of its proximity to adequate power, water, and transportation facilities, and because of the favorable labor situation in the community.

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Agricultural Chemicals

Buying interest has resulted in a volume of orders well up to the expectations of the fertilizer trade but the distribution has not been so favorable. Transportation difficulties combined with labor shortage have continued to create more or less of a bottleneck and farmers in some sections have fallen behind in their land preparations. Unfavorable weather during the past month has also hampered soil operations in the South. At present, it looks as though the season will run later than usual and if this is so, it will tend to neutralize some of the current complications.

Demand for the nitrogenates has increased and available stocks have shown an appreciable shrinkage. Bone meal, castor pomace, dried blood and tankage have found buyers at ceiling prices as soon as produced. Cottonseed hull ash was reported sold out for the season for tobacco cultivation. The basic products, ammonia sulphate, potash and soda nitrate have all felt the impact of steady buying. Superphosphate has continued exceedingly tight with current demand in excess of the available supply.

In newly irrigated sections, farmers are finding that after growing crops for two years they have extracted much of the fertility from their topsoil, making it necessary to replenish this either through the growing of alfalfa, application of barnyard manure or use of commercial fertilizer. In many instances all these practices have paid well.

California Department of Agriculture reports that 192,760 tons of miscellaneous fertilizers were sold during the last six months of 1944.

Advices from Spain state that potash production in that country is lagging and although output covers domestic needs, the industry is suffering from numerous bottlenecks. Contract deliveries to the United Kingdom have been running behind schedule.

Nitrogenates

Ammonia Sulphate—Reported that assigned tonnage will take about all the material that can be produced. It was admitted that labor difficulties and weather conditions might even affect output to such an extent that approved tonnages could not be delivered in full. Production for 1944 was officially given at 1,629,511,372 pounds against 1,522,539,911 pounds in 1943.

Bone Meal—Steamed fertilizer grade appeared to be practically out of the market last week. Demand for feeding grades was active with full prices paid to secure immediate and prompt shipments.

Castor Pomace—No additional offerings of this material could be traced. Production reported sold ahead, while inquiry continued active without revealing any actual new business.

Dried Blood—Demand reported to be running above production capacity. The feed trade has taken offerings speedily and at ceiling prices.

Hoof Meal—Buyers have experienced difficulty in locating this material. Limited production has found a ready market at prevailing prices.

Soda Nitrate—No easement in demand could be noted. Indications are that the whole 850,000 tons booked from foreign supply sources will arrive in time for crop use this year. Some of this nitrate has come in at the West Coast, and is being transhipped to the East. It was reported that, owing to increased production and delays in the military take, the supply of nitrogen solutions available for fertilizers increased above the 60,000 tons anticipated at the beginning of the year. Opinions suggested that about the same amount would be available for March as in December and January with possibilities that no material will be available after this month.

Tankage—Demand seemed to be getting away from the limit of production. Feeders have taken all they can get at ceiling prices and asked for more.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Fertilizer Materials

Last week.	Prev. week.	Last month.	Last year.
71.8	71.8	71.8	71.8

Phosphates

Phosphate Rock — Acidulators have continued to take this material as rapidly as their process facilities will allow under current manpower and sulphuric acid shortages. While the supply of boxcars has not always been sufficient to move mine shipments on time, delays have been exceptional and deliveries have not been seriously interrupted. Advices from Morocco state that producers in that country have been making efforts to satisfy demand from the United Kingdom and to meet the needs of Portugal and Spain, which take substantial quantities. The production program for 1945 is reported to have been fixed at twice the output of pre-war years. Arrivals of 1,016 metric tons were reported.

Superphosphate — Market position tight with definite shortage reported in various areas. Baltimore continuing to report plant production below capacity owing to inability to enlist sufficient manpower. Difficult to estimate production this year on account of labor uncertainties, but seems probable the output will fall materially below the 7,542,106 tons produced last year. Demand from mixers reported heavy with active inquiry also for direct application.

Potashes

Shipments of muriate have maintained a steady seasonal average with production capable of meeting allocations promptly. Shortage of boxcars has caused some inconvenience in getting material away from mines, but this condition is general throughout the chemical industry. No improvement in the supply situation of sulphate could be noted. It was reported that the use of potash in the chemical industry has increased from 30,000 tons in 1938-39 to about 150,000 tons in 1944-45. It is expected that more potash, including sulphate, will be needed for fertilizer next year than ever recorded.

Sulphur and Pyrites

No indication of easement in demand for sulphur could be noted. While the supply of boxcars could be improved, the movement from mines has been satisfactory and better than in some other industries. Supply position remained healthy and adequate to meet all requirements. Spanish pyrites continued quiet with prices unchanged.

Insecticides

Small amounts of DDT have been made available by WPB for experimental use in agriculture and other civilian fields. Production, which is increasing, is channeled for government use at present. WPB is distributing rotenone for agricultural use in conjunction with the War Food Administration. It was reported that one of the largest pyrethrum crops in the history of East Africa is being released for war requirements and plans have been made for greater peacetime cultivation of the plants.

Quarantine measures have been taken by the Secretary of Agriculture to prevent the spread of the Japanese beetle in the States or parts thereof, including New Jersey, New York, Ohio, Pennsylvania, Virginia and West Virginia, District of Columbia and the New England States. The order is known as 301-48, and is an amendment to a previous order. The regulations cover areas infested, interstate movement and permits and describes stock and soils infested.

For Current prices see alphabetical listing beginning on page 9.

Markets at Other Centers

Atlanta, March 2.—Transportation difficulties are besetting the fertilizer industry, both railroad and truck. Farmers, are getting behind, with land preparation because of unfavorable weather and country road conditions are so bad that hauling of fertilizers out to farms is being hindered. Orders, however, are reported well up to expectations. Apparently the fertilizer season will run late which will extend the operating season provided the farmer can prepare his land in time to use all the fertilizers he will need.

Baltimore, March 2.—No additional sales of fish scrap were reported on a when and if basis, although interest remained active. Labor shortage has held down superphosphate production. Demand for this material remained active and considerable more business could be placed if the material was available. All producing plants have felt the labor shortage and are unable to increase their capacity. Tankage, dried blood and other ammoniates are held at too high a level for the fertilizer trade.

Chicago, March 2.—Trade remained moderate in nitrogenous fertilizer materials. Organics were quiet but readily maintained their current market position. Buyers were anxious to obtain material and keep products moving to them in as regular and substantial quantities as possible. Blood was in good call. Bone Materials were quoted.—Ground, steamed bone, 3 and 50 percent, $35 to $36 per ton; cattle jaws, skulls and knuckles, $45 per ton; dry, rendered tankage, hard pressed, $1.20 to $1.25 per unit; 50 percent bone and meat scraps, $65 to $70.

Los Angeles, March 2.—Almost all fertilizer materials were in active demand. Ammonia nitrate and ammonia sulphate were particuularly tight, with other materials in good demand. Trading in fish meal remained slow because of small offerings, particularly toward the close of the week. Central California plants closed for the season February 15 and the limited stocks on hand were being applied on previous contracts. California production of sardine meal during January amounted to 7,151 tons, bringing the total since August 1 up to 81,862 tons against 71,200 tons during the same period last season.

Chemical Industry Fund Quota for Red Cross Set

Acceptance of a Red Cross 1945 War Fund quota of $988,500 by the chemical, drugs, paper and beverage industries of Manhattan has been announced by William B. Given, jr., chairman of the Red Cross Manhattan Commerce and Industry Committee.

Eimer & Amend Opens Edgewater, N.J., Plant

Eimer & Amend, New York, has started operation of its chemical manufacturing division in Edgewater, N. J.

Superphosphate Output Upped by Int'l Minerals

International Minerals & Chemical Corporation is adding a $125,000 acidulating plant to its Chicago Heights, Ill., fertilizer factory for the manufacture of superphosphate, according to Louis Ware, president. The addition, which will come into production about March 15, is expected to increase the capacity of the Chicago Heights plant 25 to 30 percent over present tonnage and will allow the corporation to expand its fertilizer business in Illinois, Indiana, Michigan, Wisconsin and Iowa, the states served by the plant. Mr. Ware also announced that the corporation plans to build two additional fertilizer plants in the Midwest to serve this territory when materials are available. The present addition to the Chicago Heights plant is the second since the plant was built in 1938.

Aldridge, Mendenhall Honored By Mining Institute

Walter Hull Aldridge, president of the Texas Gulf Sulphur Company, and Walter Curran Mendenhall, retired director of the United States Geological Survey, have been named honorary members of the American Institute of Mining and Metallurgical Engineers.

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Botanical Drugs, Spices, Gums

Business in the market for botanical drugs looked up moderately in the past week. There was sufficient trading in angostura bark, gum arabic, and N. F., lupulin to account for rising prices on those articles. Condimental materials that displayed more movement and higher prices were Dutch-type caraway seed grown in California, where the entire 1945 crop is reported to be under contract to a single buyer; dewhiskered Syrian caraway, bleached bold cardamom, and Argentine marjoram. Easier and lower prices developed on gentian root in all its forms, and on N. F., quality of Spanish Saffron. Because Jamaica was pushing new crop, old crop ginger was down on spot. So also were Syrian anise, Indian celery, Portuguese laurel, and Chilean marjoram.

Numerous products supplied from Haiti are likely to be delayed in arrival here because of wet weather having put drying operations far behind schedule there. Haitian orange peel and turmeric root are especially mentioned in despatches.

Restoration of normal quality shipments of Grenada nutmegs must await the wars-end, according to shippers. Arrival here in contaminated condition is laid by the shippers, to their inability to ship directly to this country. Exports are now via sailing craft to transhipment ports where goods lay in unsanitary warehouses until space is found on ships coming north. Contamination by rat excreta of one kind or another runs high.

Considerable interest attached to the offering of surplus stocks of government-owned ergot. Part of the ergot originally bought by the government has been said to have been taken over by some importers but a policy of making surpluses available to Tom, Dick and Harry has now offered 100,000 pounds of 1940-1941 crop ergot on the open market.

Balsams

Fir—Sales of Oregon balsam were made at the firm to strong price of $2.35 to $2.45 per pound, emphasizing once more the close alignment between first costs and spot selling prices.

Tolu — Activity continued to be mainly along jobbing lines with stocks moderate in size and not likely to be increased substantially in the nearby future.

Barks

Angostura—Sales on spot last week suggested that the market was slightly higher at 21c. to 23c. per pound. The supply was moderate and sellers showed signs of becoming somewhat reserved.

Black Haw—Demand was lively enough to stress the strength in which prices were maintained in local circles. Root bark was especially tight and sellers were greatly reserved in the matter of accepting new orders. The carryover will be very small this Spring.

Cascara—It now looks as though there would continue to be a tight situation in labor supply available in the Pacific northwest for the purpose of peeling bark. Lumbering operations continue at a high peak, which leaves but a small labor pool that is not particularly efficient in peeling operations. To this year, the larger manufacturing consumers have held sufficient stocks of well-aged bark but their position in the months ahead remains to be developed.

Orange Peel—Rains are said to have delayed badly the curing and drying of Haitian bitter peel. The price position tends to become somewhat tighter.

Beans

Tonka—The spot position of Surinam beans seemed slightly easier as sellers developed instinct toward competition and tended to shade quotations on occasions.

Vanilla—Sturdy price position was maintained in all quarters and stocks available for prompt shipment on new orders were very small. Sellers were reserved, having in mind the fact that the future availability of new supplies is a most uncertain affair and that goods now in this country must care for needs over a highly indefinite future.

Berries

Juniper—No weakness in this article although activity during the past week was not substantial in size. In fact, there did not appear to be much of a supply of unsold berries, especially of the desirable foreign material.

Raspberries—Fortunately, spot demand has not been very active of late. Otherwise, substantially higher prices might have followed because available stocks are considerably less than normal size.

Flowers

Calendula—Firsthands in this article have cleared the total cultivated last season. But small stocks remain in dealers' hands. To a considerable extent quoted values were on the margin of nominality.

Lavender—There will be ready buyers when French shippers can again quote firmly with some assurance of being able to ship goods. For the time being, the situation abroad is not much different than it was when the Germans held the lavender producing areas and shipment ports.

Saffron—Spanish material was understood to be slightly lower at $41 to $42 per pound, though by far the greater number of former sellers lacked prompt delivery supplies. Few care to stock the item at such prices, fearing the inevitable and coming drop when free shipment becomes possible.

Gums

Arabic—The market was a small fraction higher and seemed to be developing signs of considerable latent strength in offerings made on the basis of sorts at 12¾c. to 13c. per pound. Numerous lots of semi-distressed material have been taken out of the market and the entire situation has been improved thereby. However, there is surely plenty of unsold gum in local warehouses.

Locust Bean—Though prices were competitive and tended to yield in buyers' favor, they lacked quotable change last week. Demand was routine.

Mastic—Inquiries were in the market in vain last week. Stocks have been cleared. Signs of a resumption of commerce with the primary market are still lacking. No foreign shipper has been heard from.

Herbs and Leaves

Laurel—Portuguese material was higher at 17c. to 18c. per pound. Other kinds of the article lacked change.

Marjoram — Argentine herb was higher at 24c. to 25c. per pound.

For Current prices see alphabetical listing beginning on page 9.

Market Trends

Prices Advanced

Drugs

Angostura bark, 1c. per lb.
Arabic gum, ¼c. per lb.
Lupulin, N.F., $2 per lb.

Other Articles

Caraway seed, Calif., Dutch-type, 7c. per lb.
Syrian, dewhiskered, 2c. per lb.
Cardamom, bleached, 10c. per lb.
Marjoram, Argentine, 1c. per lb.

Prices Reduced

Drugs

Gentian root, whole, 1c. per lb.
ground, 1c. per lb.
powdered, 1c. per lb.
Saffron, Spanish, N.F., $1 per lb.

Other Articles

Anise, Syrian, ½c. per lb.
Celery seed, Indian, ½c. per lb.
Ginger root, Jamaica, No. 2, ½c. per lb.
No. 3, ½c. per lb.
Laurel leaves, Portuguese, ½c. per lb.
Marjoram, Chilean, ½c. per lb.

Comparative Price Indexes

Botanical Drugs

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
240.2	240.2	244.0	261.7

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COCILLANA BARK
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COLOMBO ROOT
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DILL SEED, Indian
ERGOT OF RYE
FENNEL SEED, Indian
FOENUGREEK SEED
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KAMALA POWDER
LAUREL LEAVES
LAVENDER FLOWERS
LINDEN FLOWERS, with Leaves
MAHUANG, Chinese
MARJORAM LEAVES
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QUINCE SEED
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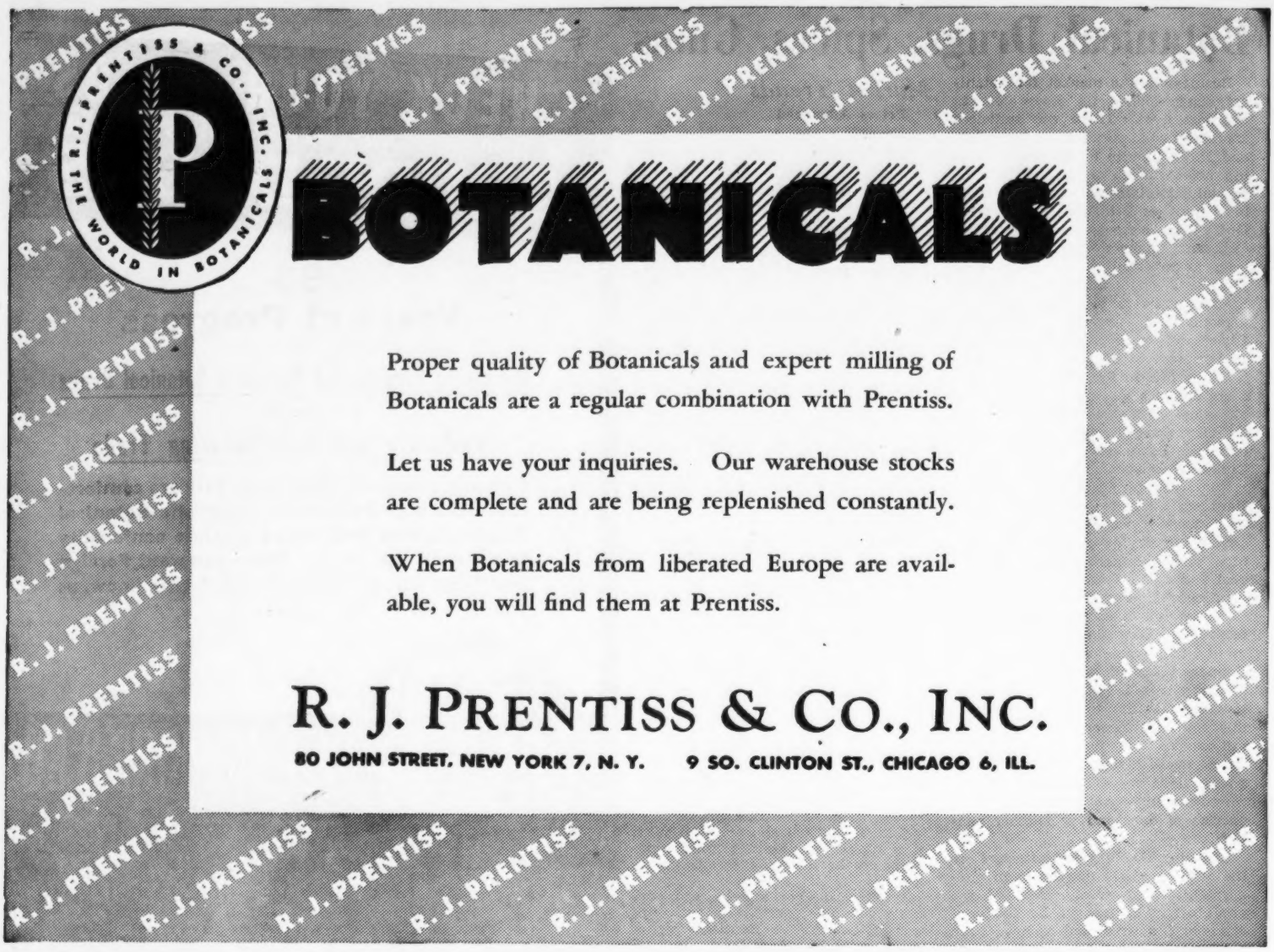
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Chilean on spot was shaded to 21c. to 22c.

Peppermint—The market was firm in price. It was also inactive in demand. However, the tendency was to ask more money. There will be excellent interest in offerings eventually to be made from European centers.

Prince's Pine—Rather hard to obtain in most quarters, and while the call has been light, a strong undertone governs its market position on spot.

Uva Ursi — Cables showed firm prices prevailing in Spain, and it was natural for spot quotations to remain at least very steady. Demand did not amount to much.

Wormwood—Small stocks were in hand, but major business would be hard to place. All quotations were on an exceptionally firm price basis.

Miscellaneous

Grains of Paradise—Goods recently offered afloat at 21c. per pound have been sold. More will be soon offered in future shipment position.

Lupulin—Mighty hard to come by and very strong when the N.F. quality is required. The price was higher and nominal at $11 per pound.

Roots

Arrow—The supply continues to be short and shortness of supply must continue unless ways be found to get material out of the primary market. It is a shipping problem in the main.

Gentian—Quotations were lower at 40c. to 41c. per pound for whole; ground, 45c. to 46c.; powder, 46c. to 47c. The movement in buyers' favor was the result of increased competition.

Licorice—All needs are being supplied without much difficulty. The bulk of root available on spot now came from India.

Turmeric—Reports from Haiti stated that rains there have prevented normal drying of the new crop and a delay in shipment of contract obligations may be expected.

Seeds

Anise—Syrian material was higher at 19c. to 20c. per pound and considerably firmer than it had been.

—*Continued on page 70*

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Though crude drug dealers may not be on more than a dictionary intimacy with gold, silver, pearls and emeralds, they could ship most of the Bulleyn formula botanicals from spot stocks.

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Essential Oils, Other Aromatics

Price movements in essential oils and aromatic chemicals were limited to an upping of Ceylon citronella and grapefruit quotations, and a downing of those on cardamom and lemongrass. The broad aspects of the market changed little. The spot was starved for supplies of natural products, was on small ration as concerned many synthetic aromatics, and was fairly gorged with requests for numerous replacement, substitute, and imitation products developed more and more as the products which they are replacing grew less and less.

During the period, some news was received concerning the Russian essential oil industry which, just prior to the war, was supplying a major part of Russian requirements while leaving something for modest export trade. The report last week stated that all Ukraine factories of the Soviet essential oil industry have been restored to production and many Ukranian agricultural areas recently harvested their first crop of coriander, mint, cumin and lavender. Planting of lavender and roses is scheduled for this Spring in the Izmail province on the Danube river. Domestic peppermint makers and dealers have not forgotten the extent to which Russian oil competed here before the war.

According to the chemical unit of the Bureau of Foreign and Domestic Commerce, 1943 production of aromatic chemicals reached 17,531,000 pounds, being slightly lower than that in 1942 but more than twice that of 1940. The report points to aromatics as used increasingly as industrial deodorants, odor masking in paint, paper, ink, leather, and rubber industries. The report expects that the postwar period will find expanding consumption of synthetic aromatics.

Market Trends

Prices Advanced

Citronella, Ceylon, 10c. per lb.
Grapefruit, 10c. per lb.

Prices Reduced

Cardamom, $1.50 per lb.
Lemongrass, 10c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
210.6	210.6	208.0	259.4

Essential Oils

Almond—Business in expressed oil was very slow last week, consisting of a moderate number of jobbing requests that were filled with reasonable promptness and with ill-effect on the recently very steady price structure.

Anise—Reports suggest that Russia may be in an improved position to offer some of this oil. Her essential oil industry is again in operation. What is badly needed is a reopening of connections with the market in China. And that is a long way away.

Avocado—Jobbing business was fair but certainly not important in size. The price situation was stable in the absence of conditions likely to give rise to a more competitive situation.

Bay—Hand-to-mouth trade involved small lots for the most par. Absence of larger interest in the material failed to change the very firm price views held by importers for some time back.

Bergamot—Brazilian oil will continue to find a market here until such time as Italy shall again be able to engage in private trade with importers in the United States. Such a development may have to await a considerable passage of time even after the German surrender brings war to an end in Europe.

Birchtar—Reports indicate that the Russian essential oil industry has been reconstituted and given the necessary transport; this oil may again appear in spot stocks. At the moment, it appears to be unobtainable.

Bois de Rose—There was strength and stability in the market but not much unsold stock for prompt delivery transactions out of local warehouses. Difficulties and uncertainties concerning shipping from the source remain. Also, a freighter from Brazil was lost at sea by accident last week, but reports failed to include bois de rose in the lost cargo.

Cananga — Showing considerable strength that was merely in line with the moderate availability of the article. In fact, most usual suppliers lack stock and only token holdings are noted in other directions.

Capsicum (Oleoresin) — Tending higher in all quarters, some of whom have raised limits to as high as $5.25 per pound for the N.F. VII item. It was increasingly difficult to place orders at $4.50 and the next figure was $4.65.

Caraway — Slow demand was the rule and all was for jobbing quantities that were not so easily supplied out of spot stocks last week. Numerous quarters have cleared stocks entirely and remaining holdings are extremely light.

Cardamom—Under competition for a fairly attractive order last week, as low as $18 per pound was alleged to have been done. It was not clear that the price could be repeated.

Cassia—The spot remained clear of any natural oil, either technical or USP. It is likely to remain clear until such time as the primary market can be tapped and oil shipped.

Cedarleaf—Jobbing business has an exceptionally steady quality that contributed to the continued absence of price unsettlement and the general stability of local and primary market values.

Cedarwood—Quiet but firm as to demand and price. No shortage seems likely unless the manpower shortage shall cut the availability of workers at the stills.

Celery—Raw material prices slid off again and it was apparent that the recent rising tendency in oil cost of production has been checked. Demand for oil was quiet last week but prices held very steady.

Citronella—Quotations were higher at $1 to $1.05 per pound and despite the fact that 5 drums were added to spot supplies, the undertone of the whole market was exceptionally firm at all times. The source of supply showed much strength.

Clove—Not much competition was possible locally for the reason that domestic production is held down by the irregular availability of replacement of raw material and also by the fact that there are ready takers of imported oil when it appears.

Croton—Purely a nominal market in most quarters, but for a long time past there has been practically no buying interest on the part of consumers.

Erigeron—Because little was produced, the article is mainly missing from local stocks, but a few pounds remain available at very stable if, somewhat high prices.

Eucalyptus—Short rations continue and are likely to prevail for an indefinite period. Even ending of war in Europe will bring no assurance that Australia promptly will loosen up on her offerings of this oil to America.

Fennel—Not known to be available in many quarters and held in isolated and always small lots when available at all. Most dealers call the market nominal.

Geranium—The French and American governments have taken further steps leading to the restoration of commerce in general and, it may be hoped, in geranium and lavender oils in particular. Only a normal flow from French sources can relieve the market from a tight position and high prices. Absorption of colonial production by French houses may afford just the competition for supplies that would be needed to delay establishment of nearer to normal prices.

Ginger—Some hope for shipments of African root returned with the assurance that the War Shipping Administration assures shipping space and ships at the primary market export ports when and if price agreement shall be arrived at between exporters there and importers here.

Grapefruit—The market was higher at $2.15 to $2.20 per pound, and there was a strong undertone locally. Costs in the primary market were more substantial and sellers showed increasing reserve in the matter of offerings.

For Current prices see alphabetical listing beginning on page 9.

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Hemlock—The outlook is for possibly smaller production this year because of lack of sufficient manpower to produce all crops on the farms—of which hemlock is a small and relatively insignificant part.

Lavender—Russia plans to resume planting this Spring in the Izmail province bordering the Danube river. France and the United States have drawn closer together, commercially. All of which should mean that this country should get some lavender oil once private trade can be reinstituted. However, it seems not unlikely that the French perfumers will take the major part of such new crop oil as may be produced in France this year.

Lemongrass—A substantial quantity was added to stocks last week, totaling some 184 packages and the spot price was down to $1.70 to $1.75 per pound. A fair part of the addition to supplies was due for immediate shipment against existing contracts.

Aromatic Chemicals

Diethyl Phthalate—Numerous dealers are unable to offer, not having replaced stocks after their exhaustion.

Diphenyl Oxide—Stability of price met fair request so far as distributors are concerned. The producers indicated absence of surplus stocks and a ready market for their moderate production.

Ethyl Salicylate—Production is restricted by the limitations on raw material. Business usually takes place at ceilings.

Eucalyptol—Most former distributors offer nothing nor can they foresee the time when they will be able to return to the market with firm orders.

Eugenol—Conservative supply must prevail until such time as the producers can once more obtain normal quantities of raw material. Prices were strong and supplies were low.

Polyethyleneglycols Research Report Is Filed

A research report to the American Chemical Society on the higher polyethyleneglycols has been filed by C. P. McClelland and R. L. Bateman, of Carbide and Carbon Chemicals Corporation, New York. These products now are commercially available in four liquid and five waxlike solid forms, the latter known as 'Carbowax,' and have broad uses in many different industries.

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Petroleum Derivatives

The inordinate and seemingly insatiable demands of the war machine for all petroleum derivatives and for their swiftest possible transportation to the Atlantic and Pacific coasts by rail as well as by sea and inland waterways, in the face of storms, floods and other deterrents, have brought about a further constriction of the supplies of all of these materials available for civilian uses within the past week, as the need for shipping these refined petroleum products into the hugely stepped-up war effort abroad has rightly been deemed to transcend all other considerations, regardless of resultant inconveniences to non-military consumers.

In only one instance has there been any easing of the pinch in the civilian supply situation. That has been in the light fuel oils required for home-heating where the cold weather hitherto prevailing on the Atlantic seaboard and North Pacific coast has moderated sufficiently to make it possible for the users or these heating agents to get along on smaller quantities than they had required during the period of most intense cold, wherein they had to burn this fuel in excess of their ration allotments, which they obtained only with the greatest difficulty through emergency freightcar shipments into their zones of consumption. In this instance, moreover, a threatened cutback in their rations has been avoided, inasmuch as the Office of Price Administration has stated that, on the recommendation of the Petroleum Administration for War, the rations for the final period of the heating season in the East and Pacific Northwest are to be maintained at 10 gallons per unit.

Solvents and Diluents

Aromatic Solvents — Both classes and blends of these high solvency aromatics continue in fairly brisk demand, with the bulk of the current output going into war production work. Processors are still being comfortably supplied with xylol, although a pinch in that direction had hitherto been feared as the war requirements in the primary coaltar derivatives kept mounting.

Cleaners' Naphtha — Continues in active request from both military and civilian interests, with prices firmly maintained.

Lacquer Diluent—Buying interest on the part of the paint industry still keen in this material. Market strong.

Mineral Spirit—Moving in undiminished volume into consuming channels. Tone steady.

Rubber Solvent — Manufacturers of synthetic rubber continue to absorb virtually all stocks and the current output of this solvent. Prices well maintained throughout the list.

Stoddard Solvent—Although military accounts continue to take up the major portion of all offerings, civilian dry cleaning accounts are likewise buying fairly large quantities of this material. Tone firm.

V. M. & P. Naphtha — Paint and varnish makers are still buying extensively of this naphtha, with those engaged in war production work obtaining the bulk of the available stocks. Prices firmly held.

Markets at Other Centers

Chicago. March 2.—Buyers of petroleum solvents and diluents in this area continue desirous of obtaining additional quantities. But these materials are generally available only in limited lots. The paint industry is still taking as much of them as it can procure.

Los Angeles, March 2.—Buying interest in Class A and Class B aromatic solvents remains undiminished on the Pacific coast, and the supply situation is still very tight, with almost everything in production already spoken for. Cleaners' naphtha and lacquer diluent continue in keen demand with the market holding unabatedly strong.

Lighter Fractions

Butane—While the recent action of OPA, in offering tankwagon price markup incentives to suppliers of this liquefied gas to care for the needs of householders in the South and Southwest who use it for domestic heating and of those agricultural interests in these parts of the country who employ it in operating irrigation facilities, has eased the supply position of these civilian consumers to some extent, the bulk of the stocks and current production of this gas are still being absorbed by makers of 100 and even higher octane gasoline and by the manufacturers of synthetic rubber. A shortage of high-pressure-resistant tank cars is making the supply situation tighter daily.

Heptane — In increasing demand with prices firmly maintained.

Hexane — Buying interest growing in this liquefied gas. Tone strong.

Octanes — Being purchased on a steadily expanding scale. Market firm throughout.

Pentanes — Moving in constantly mounting volume, with military accounts continuing to outrun civilian use takings. Prices well maintained.

Propane—Conditions in the market for this liquefied gas continue almost identical with those noted above as prevailing in butane.

Petrolatums and Waxes

Microcrystalline Waxes — Still moving in sizable volume into consuming channels, under the leadership of the standard process types and with prices well maintained by the leading producers. Temporarily, there is no evidence of price shading by smaller suppliers.

Paraffin — With military and lend-lease requirements continuing so extensive as to drain supplies of both crude scale and refined grades of this wax in the U. S. A., a notable shortage is still reported in the quantities available for civilian use in this country.

Petrolatums — U.S.P., veterinarian and technical grades continue to be strongly maintained by producers, although in slightly diminished call. With the recent letdown in takings by leading consumers, the hitherto existing shortage of stocks in several lines has been remedied.

White Mineral Oils—Buying interest continues fairly keen in these oils and incentives for price shading, such as has been indulged in spasmodically by a few small suppliers during the past year, are no longer apparent. Meanwhile, leading producers continue to hold their price schedules firmly.

Fuels and Lubricants

Crude Petroleum—A slight dip has been recorded in the daily rate of domestic production of crude petroleum for the week ended February 24, during which the country's output reached a total of 4,777,970 barrels daily, at which it registered a decline of 2,700 barrels from the previous week's average. This however, was 2,700 barrels above PAW's February recommendation, although considerably below that for March which calls for a daily average of 5,118,760 barrels.

Fuel Oil—Nationwide stocks of light fuel oil have shown a further decline for the week ended February 24, this time amounting to 1,111,000 barrels and carrying these stocks down to an ebbtide level of 28,753,000 barrels. In the same week, supplies of heavy fuel oil have dropped 1,517,000 barrels to 46,723,000 barrels—a record low for recent years.

OPA has relieved fears of a possible cut in light fuel oil rations by announcing that these rtaions for the final period of the heating season in the East and Pacific Northwest areas will continue unchanged at 10 gallons a unit. This ration is being maintained at the recommendation of PAW. But OPA has also announced that there will be no additional fuel oil rations for use in space heaters which furnish heat or hot water in non-residential premises, where the ration would be 10,000 gallons or more a year, except under special conditions, to be certified by PAW.

Refiners in West Texas have dropped their price for fuel oil No. 6 by a cent per barrel to 97c. per barrel and have made sales to East coast consumers at that figure.

Market Trends

Prices Advanced

None

Prices Reduced

Fuel oil, No. 6, West Texas, for shipment to East coast, 1c. per lb.

Wallace E. Pratt Chosen For Powers Memorial Award

Wallace E. Pratt, petroleum geologist and a director of the Standard Oil Company (N. J.), has been chosen as the initial recipient of the Sidney Powers Memorial Award of the American Association of Petroleum Geologists.

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Wanted—Experienced man to sell to the candy and perfumery trade in Chicago and Detroit for a New York essential oil house. OPD 735.

—Continued on page 70

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2—4 x 6' Atmospheric Drum Dryers.
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1—13" Belt Conveyor, 25' centers, with motor.
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1—Day 300-gal. Aluminum Lined Jacketed Mixer.
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2—4,000 gal. Vert. Acid Proof Tanks.
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2—Wall Vert. Dry Vac. Pumps, 4"x2½", Motor Driven.
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1—Buflovak 24"x20" Vac. Drum Dryer.
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1—W. & P. 20 gal. Jack. Mixer, 10 HP AC Motor.
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Botanical Drugs

—Continued from page 64

Caraway—Potential production in California was said to have been sold under a single contract that prohibits the grower from selling anyone else. Spot prices for the Dutch-type of California material were advanced sharply to 85c. to 86c. per pound. Dewhiskered Syrian material was also higher at 78c. to 79c.

Cardamom—Bold, bleached material was minimum at the higher figure of $1.45 to $1.50 per pound.

Celery—Indian seed was shaded to 21½c. to 22c. per pound. The support recently given rising quotations has been withdrawn.

Spices

Ginger—Reported locally that the United States Shipping Board has agreed to supply the ships necessary to bring forward supplies of African root. The "rub" now is to establish a definitely firm price that will find favor here. Jamaica is pushing all grades with increasing vigor. Spot quotes on No. 2 were lower at 23½c. to 24c. per pound; No. 3, 23c. to 24c. No. 1 in Jamaica was at ceiling limits.

Nutmegs—Grenada, in the British West Indies, declares that contamination of its product is due to conditions beyond control of the provincial government. Direct shipments to New York ceased long ago. Transhipments at other ports has meant warehousing under unsanitary conditions at times. Solution of the vexing problem will probaly await the wars-end.

Markets at Other Centers

Los Angeles, Feb. 28.—Trading in botanical drugs and spices was active here this week, but virtually all orders were placed for futures. No price changes were noted. Prices are:—

Calendula Flowers—Nominal at $2 per pound.

Marjoram—French type named at 45c. per pound in dried form.

Sage—Dalmatian type quoted at 80c. per pound for small lots containing less than 12 percent stems. Leucophylla was named at 55c. for small lots.

Savory—French type nominal at 90c. per pound in small lots.

Sweet Basil—Named at 90c. per pound in dried form.

Thyme—French type nominal at 90c. per pound in dried and clean form.

Business Wants

POSITIONS VACANT

—Continued from page 69

Export Assistants, capable assuming responsibility; experienced export procedure, shipping, invoicing, licensing, typing. Five day week. Excellent postwar opportunity. Write particulars, age, experience, draft status, references, salary. Chas. L. Huisking & Co., Inc., 155 Varick Street, New York 13.

Working Foreman for progressive, modern paint plant in Baltimore, Md. Must understand grinding and mixing equipment with ability to handle men. No formulating experience necessary. Job pays good salary and has excellent post-war possibilities. OPD 730.

Wanted—Chemist or engineer experienced in development of lubricating greases. Postwar possibilities with major eastern manufacturer for qualified man. Include inexpensive photo with application. OPD 734.

Exceptional Opportunity for wetting-agent chemist, a position with an unusually attractive future is open with a large eastern producer of chemicals for a chemist of broad technical and practical experience in the field of wetting agents, particularly as applied to floor waxes, paint cleaners and related compounds. Application letter will be acknowledged and treated in confidence. It should include details of education and business experience and a recent photograph should be enclosed. OPD 737.

POSITIONS WANTED

Salesman, adhesive and chemical sales, ten years present firm, college graduate in chemistry. Adaptable, aggressive, versatile. Covering metropolitan New York. Seeks sound sales connection. OPD 724.

Chemist. 27, two years on soap, glycerin, fatty acids and synthetic detergents, operations and control, seeks high grade connection on junior executive level where knowledge of chemistry is essential or desirable. Army discharge. Location anywhere U. S. A. OPD 725.

Consultant Assignment industrial chemistry desired by graduate chemist with special aptitudes for formulation, development and production. Processing or manufacturing concern within metropolitan New York preferred. Smaller concern unable to maintain full staff solicited. OPD 726.

Heyden Adds Second Star To "E" Flag at Danville

The Cherokee Ordnance Works plant operated by the Heyden Chemical Corporation at Danville, Pa., has been awarded a second star to be flown with its Army-Navy "E" flag in recognition of continuous excellence" in war production.

Malone Rejoins American Home Products Affiliate

William E. Malone jr., recently honorably discharged from the army, has returned to American Home Products Corporation in a new position as the advertising and sales promotion manager of the corporation's cosmetic unit, Affiliated Products, Inc.

Cortizas & Co. Names Agent For Chicago, Milwaukee

M. Cortizas & Co., importer of vanilla beans, Philadelphia, has appointed Davis & Davis, Inc., as its representative in Chicago and Milwaukee. Davis & Davis maintains offices in the Wrigley building, Chicago.

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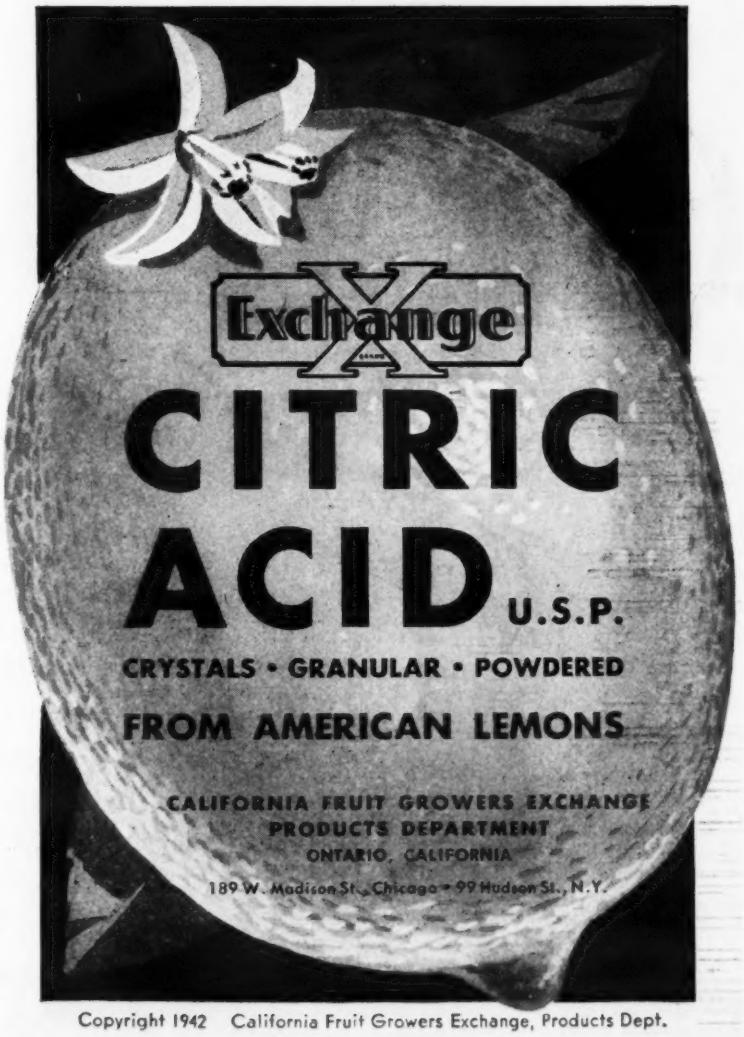

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